

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 1 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Class Rates Of Return On Rate Base At Present Rates

	Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT Large Power Trans (\$000s)	Schedule PP Large Power Pri (\$000s)	Schedule PS Large Power Sec (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
Revenues									
Sales Revenue	\$415,723.4	\$77,691.4	\$358,924.9	\$7,077.7	\$26,047.3	\$319,103.4	\$135,059.5	\$6,751.4	\$1,346,379.0
Other Operating Revenue	\$2,468.9	\$311.0	\$607.5	\$26.1	\$14.9	\$298.6	\$147.5	\$23.5	\$3,898.0
Total Operating Revenue	\$418,192.3	\$78,002.4	\$359,532.4	\$7,103.8	\$26,062.2	\$319,402.0	\$135,207.0	\$6,774.9	\$1,350,277.0
Expenses:									
Fuel And Purchased Power	\$227,750.4	\$39,771.2	\$220,904.3	\$4,334.2	\$18,321.8	\$216,758.9	\$89,039.8	\$3,989.3	\$820,869.9
Other Production Costs	\$59,320.2	\$10,001.5	\$47,739.6	\$996.8	\$3,173.5	\$39,569.3	\$17,164.6	\$1,411.5	\$179,377.0
Transmission	\$3,469.4	\$584.9	\$2,792.1	\$58.3	\$185.6	\$2,314.3	\$1,003.9	\$82.6	\$10,491.1
Distribution	\$13,196.2	\$2,226.6	\$4,821.1	\$136.2	\$5.3	\$2,763.9	\$1,429.8	\$142.7	\$24,721.8
Customer Accounts	\$10,231.3	\$1,294.6	\$415.3	\$37.0	\$0.2	\$10.1	\$11.5	\$20.0	\$12,020.0
Uncollectibles	\$900.5	\$123.3	\$192.6	\$12.5	\$0.0	\$44.4	\$83.0	\$1.8	\$1,358.1
Customer Service	\$2,359.4	\$44.6	\$702.3	\$2.2	\$1.7	\$726.9	\$382.4	\$0.5	\$4,220.0
Admin And General	\$27,852.9	\$4,443.2	\$17,648.9	\$384.9	\$1,050.1	\$14,181.7	\$6,247.9	\$517.5	\$72,327.1
Wage Rollback	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Oper & Maint Exp	\$345,080.3	\$58,489.9	\$295,216.2	\$5,962.1	\$22,738.2	\$276,369.5	\$115,362.9	\$6,165.9	\$1,125,385.0
Depreciation Expense	\$37,542.9	\$6,944.4	\$16,801.7	\$460.7	\$630.6	\$11,254.1	\$5,401.6	\$446.3	\$79,482.3
Taxes Other Than Income	\$39,885.6	\$7,342.9	\$33,309.5	\$662.0	\$2,386.1	\$29,435.5	\$12,486.9	\$642.6	\$126,151.1
Income Taxes	(\$6,620.3)	\$1,103.9	\$2,873.9	(\$59.9)	(\$2.0)	(\$1,016.6)	(\$128.7)	(\$257.4)	(\$4,107.1)
Amortized ITC	(\$498.1)	(\$84.1)	(\$228.3)	(\$5.9)	(\$9.8)	(\$160.1)	(\$74.3)	(\$6.7)	(\$1,067.3)
Gain On Sale of Property	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Interest On Cust Deposit	\$160.2	\$30.0	\$85.6	\$2.2	\$3.9	\$62.2	\$28.6	\$2.3	\$375.0
Total Operating Expenses	\$415,550.6	\$73,827.0	\$348,058.6	\$7,021.2	\$25,747.0	\$315,944.6	\$133,077.0	\$6,993.0	\$1,326,219.0
Present Return	\$2,641.7	\$4,175.4	\$11,473.8	\$82.6	\$315.2	\$3,457.4	\$2,130.0	(\$218.1)	\$24,058.0
									\$24,058.0
Rate Base:									
Gross Plant in Service	\$1,129,700.8	\$193,689.8	\$558,194.2	\$13,997.8	\$23,999.1	\$400,329.6	\$185,420.6	\$15,499.1	\$2,520,831.0
Depreciation Balance	(\$522,235.8)	(\$80,324.2)	(\$253,428.4)	(\$6,028.6)	(\$11,503.0)	(\$187,499.0)	(\$85,485.5)	(\$7,236.4)	(\$1,153,740.9)
Net Plant In Service	\$607,465.0	\$113,365.6	\$304,765.8	\$7,969.2	\$12,496.1	\$212,830.6	\$99,935.1	\$8,262.7	\$1,367,090.1
Property Held For Future Use	\$1,117.8	\$188.5	\$899.6	\$18.8	\$59.8	\$745.6	\$323.4	\$26.8	\$3,380.3
Fuel Inventory	\$14,623.3	\$2,553.6	\$14,183.7	\$278.3	\$1,176.4	\$13,917.5	\$5,717.0	\$256.2	\$52,706.0
Materials And Supplies	\$5,276.1	\$903.7	\$3,025.0	\$71.5	\$155.4	\$2,286.8	\$1,033.9	\$85.9	\$12,838.3
Working Cash	\$7,717.4	\$1,284.2	\$6,201.0	\$125.9	\$469.7	\$5,779.2	\$2,415.4	\$129.7	\$24,122.5
Contributions & Advances	(\$82,349.1)	(\$14,539.4)	(\$34,731.3)	(\$952.7)	(\$1,055.5)	(\$22,773.4)	(\$11,049.3)	(\$920.6)	(\$168,371.3)
Deferred Income Taxes	(\$69,750.8)	(\$11,962.8)	(\$34,239.1)	(\$861.1)	(\$1,466.6)	(\$24,492.7)	(\$11,358.4)	(\$949.4)	(\$155,080.9)
Unamort ITC	(\$13,462.6)	(\$2,308.7)	(\$6,607.5)	(\$166.2)	(\$283.0)	(\$4,727.0)	(\$2,192.3)	(\$183.2)	(\$29,930.5)
Other Rate Base Items	\$49,054.2	\$7,885.1	\$24,050.1	\$576.0	\$1,134.0	\$17,890.5	\$8,153.4	\$690.7	\$109,434.0
Total Rate Base	\$519,691.3	\$97,369.8	\$277,547.3	\$7,059.7	\$12,686.3	\$201,457.1	\$92,978.2	\$7,398.8	\$1,216,188.5
Rate of Return (%)	0.51%	4.29%	4.13%	1.17%	2.49%	1.72%	2.29%	-2.95%	1.98%
ROR As % Of System ROR	25.68%	216.79%	209.00%	59.15%	125.63%	86.75%	115.82%	-149.04%	100.00%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 2 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Class Rates Of Return On Rate Base At Present Rates

	Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT Large Power Trans (\$000s)	Schedule PP Large Power Pri (\$000s)	Schedule PS Large Power Sec (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
Revenues									
Sales Revenue	\$432,975.6	\$80,721.8	\$372,286.2	\$7,354.1	\$26,047.3	\$331,021.2	\$140,747.4	\$7,125.4	\$1,398,279.0
Other Operating Revenue	\$2,499.2	\$316.1	\$617.0	\$26.6	\$14.9	\$300.5	\$148.7	\$24.1	\$3,947.1
Total Operating Revenue	\$435,474.8	\$81,037.9	\$372,903.2	\$7,380.7	\$26,062.2	\$331,321.7	\$140,896.1	\$7,149.5	\$1,402,226.1
Expenses:									
Fuel And Purchased Power	\$227,750.4	\$39,771.2	\$220,904.3	\$4,334.2	\$18,321.8	\$216,758.9	\$89,039.8	\$3,989.3	\$820,869.9
Other Production Costs	\$59,320.2	\$10,001.5	\$47,739.6	\$996.8	\$3,173.5	\$39,569.3	\$17,164.6	\$1,411.5	\$179,377.0
Transmission	\$3,469.4	\$584.9	\$2,792.1	\$58.3	\$185.6	\$2,314.3	\$1,003.9	\$82.6	\$10,491.1
Distribution	\$13,196.2	\$2,226.6	\$4,821.1	\$136.2	\$5.3	\$2,763.9	\$1,429.8	\$142.7	\$24,721.8
Customer Accounts	\$10,231.3	\$1,294.6	\$415.3	\$37.0	\$0.2	\$10.1	\$11.5	\$20.0	\$12,020.0
Uncollectibles	\$935.6	\$128.1	\$200.1	\$13.0	\$0.0	\$46.1	\$86.2	\$1.8	\$1,410.9
Customer Service	\$2,359.4	\$44.6	\$702.3	\$2.2	\$1.7	\$726.9	\$382.4	\$0.5	\$4,220.0
Admin And General	\$27,852.9	\$4,443.2	\$17,648.9	\$384.9	\$1,050.1	\$14,181.7	\$6,247.9	\$517.5	\$72,327.1
Wage Rollback	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Oper & Maint Exp	\$345,115.4	\$58,494.7	\$295,223.7	\$5,962.6	\$22,738.2	\$276,371.2	\$115,366.1	\$6,165.9	\$1,125,437.8
Depreciation Expense	\$37,542.9	\$6,944.4	\$16,801.7	\$460.7	\$630.6	\$11,254.1	\$5,401.6	\$446.3	\$79,482.3
Taxes Other Than Income	\$41,418.9	\$7,612.1	\$34,496.0	\$686.6	\$2,386.1	\$30,493.4	\$12,991.8	\$676.0	\$130,760.9
Income Taxes	(\$506.6)	\$2,178.2	\$7,612.0	\$37.9	(\$2.0)	\$3,209.7	\$1,887.5	(\$124.6)	\$14,292.1
Amortized ITC	(\$498.1)	(\$84.1)	(\$228.3)	(\$5.9)	(\$9.8)	(\$160.1)	(\$74.3)	(\$6.7)	(\$1,067.3)
Gain On Sale of Property	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Interest On Cust Deposit	\$160.3	\$30.0	\$85.6	\$2.2	\$3.9	\$62.1	\$28.6	\$2.3	\$375.0
Total Operating Expenses	\$423,232.8	\$75,175.3	\$353,990.7	\$7,144.1	\$25,747.0	\$321,230.4	\$135,601.3	\$7,159.2	\$1,349,280.8
Present Return	\$12,242.0	\$5,862.6	\$18,912.5	\$236.6	\$315.2	\$10,091.3	\$5,294.8	(\$9.7)	\$52,945.3
									\$52,945.3
Rate Base:									
Gross Plant in Service	\$1,129,700.8	\$193,689.8	\$558,194.2	\$13,997.8	\$23,999.1	\$400,329.6	\$185,420.6	\$15,499.1	\$2,520,831.0
Depreciation Balance	(\$522,235.8)	(\$80,324.2)	(\$253,428.4)	(\$6,028.6)	(\$11,503.0)	(\$187,499.0)	(\$85,485.5)	(\$7,236.4)	(\$1,153,740.9)
Net Plant In Service	\$607,465.0	\$113,365.6	\$304,765.8	\$7,969.2	\$12,496.1	\$212,830.6	\$99,935.1	\$8,262.7	\$1,367,090.1
Property Held For Future Use	\$1,117.8	\$188.5	\$899.6	\$18.8	\$59.8	\$745.6	\$323.4	\$26.8	\$3,380.3
Fuel Inventory	\$14,623.3	\$2,553.6	\$14,183.7	\$278.3	\$1,176.4	\$13,917.5	\$5,717.0	\$256.2	\$52,706.0
Materials And Supplies	\$5,276.1	\$903.7	\$3,025.0	\$71.5	\$155.4	\$2,286.8	\$1,033.9	\$85.9	\$12,838.3
Working Cash	\$7,523.1	\$1,251.3	\$6,031.3	\$122.5	\$456.5	\$5,618.8	\$2,348.8	\$126.2	\$23,478.5
Contributions & Advances	(\$82,349.1)	(\$14,539.4)	(\$34,731.3)	(\$952.7)	(\$1,055.5)	(\$22,773.4)	(\$11,049.3)	(\$920.6)	(\$168,371.3)
Deferred Income Taxes	(\$69,750.8)	(\$11,962.8)	(\$34,239.1)	(\$861.1)	(\$1,466.6)	(\$24,492.7)	(\$11,358.4)	(\$949.4)	(\$155,080.9)
Unamort ITC	(\$13,462.6)	(\$2,308.7)	(\$6,607.5)	(\$166.2)	(\$283.0)	(\$4,727.0)	(\$2,192.3)	(\$183.2)	(\$29,930.5)
Other Rate Base Items	\$49,054.2	\$7,885.1	\$24,050.1	\$576.0	\$1,134.0	\$17,890.5	\$8,153.4	\$690.7	\$109,434.0
Total Rate Base	\$519,497.0	\$97,336.9	\$277,377.6	\$7,056.3	\$12,673.1	\$201,296.7	\$92,911.6	\$7,395.3	\$1,215,544.5
Rate of Return (%)	2.36%	6.02%	6.82%	3.35%	2.49%	5.01%	5.70%	-0.13%	4.36%
ROR As % Of System ROR	54.11%	138.27%	156.52%	76.97%	57.09%	115.08%	130.83%	-3.01%	100.00%

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Summary of Present And Proposed Class Revenues And Rates Of Return

	Schedule R/E Residential Service	Schedule G Gen Service Non-Dmd	Total Schedule J Gen Service Demand	Schedule H Comm Service	Schedule PT Large Power Trans	Schedule PP Large Power Pri	Schedule PS Large Power Sec	Schedule F Street Lighting	Total System
<u>Present Revenues (\$000s):</u>									
Sales Revenue	\$432,975.6	\$80,721.5	\$372,286.0	\$7,354.3	\$26,047.4	\$331,021.2	\$140,747.2	\$7,125.5	\$1,398,278.7
Other Oper Revenue	\$2,499.2	\$316.1	\$617.0	\$26.6	\$14.9	\$300.5	\$148.7	\$24.1	\$3,947.1
Total Operating Revenue	\$435,474.8	\$81,037.6	\$372,903.0	\$7,380.9	\$26,062.3	\$331,321.7	\$140,895.9	\$7,149.6	\$1,402,225.8
<u>Proposed Revenues (\$000s):</u>									
Sales Revenue	\$463,564.9	\$86,424.4	\$398,587.6	\$7,873.9	\$27,887.6	\$354,407.5	\$150,690.9	\$7,628.9	\$1,497,065.7
Other Oper Revenue	\$3,152.2	\$390.8	\$647.6	\$31.0	\$14.9	\$304.1	\$151.1	\$25.1	\$4,716.8
Total Operating Revenue	\$466,717.1	\$86,815.2	\$399,235.2	\$7,904.9	\$27,902.5	\$354,711.6	\$150,842.0	\$7,654.0	\$1,501,782.5
<u>Proposed Increase (\$000s):</u>									
Sales Revenue	\$30,589.3	\$5,702.9	\$26,301.6	\$519.6	\$1,840.2	\$23,386.3	\$9,943.7	\$503.4	\$98,787.0
Other Oper Revenue	\$653.0	\$74.7	\$30.6	\$4.4	\$0.0	\$3.6	\$2.4	\$1.0	\$769.7
Total Operating Revenue	\$31,242.3	\$5,777.6	\$26,332.2	\$524.0	\$1,840.2	\$23,389.9	\$9,946.1	\$504.4	\$99,556.7
<u>Proposed Increase (%):</u>									
Sales Revenue	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%
Other Oper Revenue	26.13%	23.63%	4.96%	16.54%	0.00%	1.20%	1.61%	4.15%	19.50%
Total Operating Revenue	7.17%	7.13%	7.06%	7.10%	7.06%	7.06%	7.06%	7.06%	7.10%
<u>Revenue Increase Index (System = 100):</u>									
Sales Revenue	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Other Oper Revenue	133.99%	121.19%	25.43%	84.83%	0.00%	6.14%	8.28%	21.28%	100.00%
Total Operating Revenue	101.04%	100.42%	99.45%	99.99%	99.45%	99.44%	99.42%	99.37%	100.00%
<u>Rate of Return On Rate Base (%)</u>									
Present ROR	2.36%	6.02%	6.82%	3.35%	2.49%	5.01%	5.70%	-0.13%	4.36%
Proposed ROR	5.70%	9.33%	12.12%	7.49%	10.59%	11.50%	11.67%	3.67%	8.92%
<u>Rate of Return Index (System = 100):</u>									
Present ROR Index	54.11%	138.27%	156.52%	76.97%	57.09%	115.08%	130.83%	-3.01%	100.00%
Proposed ROR Index	63.90%	104.60%	135.87%	83.97%	118.72%	128.92%	130.83%	41.14%	100.00%
<u>Average Sales Revenue (¢/kwh):</u>									
Present Rates	20.338	21.711	17.995	18.159	14.871	16.054	16.839	18.851	18.111
Proposed Rates	21.775	23.245	19.267	19.441	15.921	17.188	18.028	20.223	19.39
Increase	1.437	1.534	1.272	1.282	1.05	1.134	1.189	1.372	1.279
<u>TY Energy Sales (MWH)</u>	2,128,900.0	371,800.0	2,068,800.0	40,500.0	175,161.0	2,061,983.0	835,856.0	37,800.0	7,720,800.0

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 3 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Class Sales Revenues At Present Rates

		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT Large Power Trans (\$000s)	Schedule PP Large Power Pri (\$000s)	Schedule PS Large Power Sec (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
<u>Production</u>										
Production - Dmd	D1	\$96,080.5	\$17,522.2	\$85,075.6	\$1,651.5	\$5,178.6	\$68,061.2	\$29,935.5	\$2,166.7	\$305,671.8
Production - Engy	E1	\$250,438.9	\$43,963.5	\$244,466.3	\$4,772.7	\$20,154.6	\$239,285.2	\$98,384.6	\$4,372.2	\$905,838.0
Total Production		\$346,519.4	\$61,485.7	\$329,541.9	\$6,424.2	\$25,333.2	\$307,346.4	\$128,320.1	\$6,538.9	\$1,211,509.8
<u>Transmission</u>										
	D1	\$12,417.9	\$3,114.6	\$15,980.6	\$237.4	\$694.4	\$11,352.1	\$5,241.7	\$203.4	\$49,242.1
<u>Distribution</u>										
Substations	D2	\$4,845.5	\$1,135.5	\$5,601.1	\$88.4	\$0.0	\$3,898.0	\$1,810.2	\$89.6	\$17,468.3
Primary Lines										
Demand	D2	\$7,615.9	\$1,658.8	\$8,086.3	\$135.4	\$0.0	\$5,773.5	\$2,653.1	\$153.2	\$26,076.2
Customer	C1	\$13,507.8	\$2,413.5	\$871.3	\$71.2	\$0.0	\$6.7	\$13.3	\$18.3	\$16,902.1
Subtotal Pri Lines		\$21,123.7	\$4,072.3	\$8,957.6	\$206.6	\$0.0	\$5,780.2	\$2,666.4	\$171.5	\$42,978.3
Secondary Lines										
Demand	D3	\$4,531.4	\$814.4	\$3,115.2	\$59.2	\$0.0	\$781.1	\$1,069.0	\$9.7	\$10,380.0
Customer	C2	\$6,165.8	\$902.5	\$263.9	\$23.5	\$0.0	\$0.0	\$4.2	\$1.9	\$7,361.8
Subtotal Sec Lines		\$10,697.2	\$1,716.9	\$3,379.1	\$82.7	\$0.0	\$781.1	\$1,073.2	\$11.6	\$17,741.8
Subtotal Lines		\$31,820.9	\$5,789.2	\$12,336.7	\$289.3	\$0.0	\$6,561.3	\$3,739.6	\$183.1	\$60,720.1
Line Transformers										
Demand	D3	\$2,406.7	\$504.4	\$1,975.6	\$33.3	\$0.0	\$470.0	\$658.2	\$4.5	\$6,052.7
Customer	C3	\$2,360.3	\$4,438.4	\$2,605.1	\$156.7	\$0.0	\$0.0	\$173.2	\$8.0	\$9,741.7
Subtotal Transf		\$4,767.0	\$4,942.8	\$4,580.7	\$190.0	\$0.0	\$470.0	\$831.4	\$12.5	\$15,794.4
Services	C4	\$9,081.3	\$1,439.0	\$1,031.4	\$33.4	\$4.9	\$27.0	\$20.2	\$17.3	\$11,654.5
Meters	C5	\$2,213.6	\$416.8	\$1,083.7	\$13.4	\$11.7	\$80.1	\$23.7	\$11.5	\$3,854.5
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$35.1	\$35.1
Total Distribution		\$52,728.3	\$13,723.3	\$24,633.6	\$614.5	\$16.6	\$11,036.4	\$6,425.1	\$349.1	\$109,526.9
Customer Accts	C6	\$16,467.9	\$2,181.6	\$707.1	\$60.3	\$0.3	\$16.9	\$19.2	\$31.3	\$19,484.6
Uncollectibles	C7	\$1,026.6	\$140.4	\$219.2	\$14.3	\$0.0	\$50.5	\$94.4	\$2.0	\$1,547.4
Customer Service	C8	\$3,815.5	\$75.9	\$1,203.6	\$3.6	\$2.9	\$1,218.9	\$646.7	\$0.8	\$6,967.9
Totals										
Demand		\$127,897.9	\$24,749.9	\$119,834.4	\$2,205.2	\$5,873.0	\$90,335.9	\$41,367.7	\$2,627.1	\$414,891.1
Energy		\$250,438.9	\$43,963.5	\$244,466.3	\$4,772.7	\$20,154.6	\$239,285.2	\$98,384.6	\$4,372.2	\$905,838.0
Customer		\$54,638.8	\$12,008.1	\$7,985.3	\$376.4	\$19.8	\$1,400.1	\$994.9	\$126.2	\$77,549.6
Total		\$432,975.6	\$80,721.5	\$372,286.0	\$7,354.3	\$26,047.4	\$331,021.2	\$140,747.2	\$7,125.5	\$1,398,278.7
Percent of Total		30.965%	5.773%	26.625%	0.526%	1.863%	23.673%	10.066%	0.510%	100.001%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 4 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Unit Functionalized Class Sales Revenues At Present Rates

	Units	Schedule R/E Residential Service	Schedule G Gen Service Non-Dmd	Schedule J Gen Service Demand	Schedule H Comm Service	Schedule PT Large Power Trans	Schedule PP Large Power Pri	Schedule PS Large Power Sec	Schedule F Street Lighting	Total System
Energy:										
Production	¢/kWh	11.764	11.825	11.817	11.784	11.506	11.605	11.771	11.567	11.732
Demand:										
Production	\$/kW/Month	\$6.31	\$10.16	\$14.55	\$12.98	\$16.82	\$16.89	\$17.91	\$19.09	\$10.52
Transmission	\$/kW/Month	\$0.82	\$1.81	\$2.73	\$1.87	\$2.26	\$2.82	\$3.14	\$1.79	\$1.70
Distribution Primary										
Substations	\$/kW/Month	\$0.32	\$0.66	\$0.96	\$0.69	\$0.00	\$0.97	\$1.08	\$0.79	\$0.60
Primary Lines	\$/kW/Month	\$0.50	\$0.96	\$1.38	\$1.06	\$0.00	\$1.43	\$1.59	\$1.35	\$0.90
Primary Demand	\$/kW/Month	\$0.82	\$1.62	\$2.34	\$1.75	\$0.00	\$2.40	\$2.67	\$2.14	\$1.50
Distribution Secondary										
Secondary Lines	\$/kW/Month	\$0.30	\$0.47	\$0.53	\$0.47	\$0.00	\$0.19	\$0.64	\$0.09	\$0.36
Line Transformer	\$/kW/Month	\$0.16	\$0.29	\$0.34	\$0.26	\$0.00	\$0.12	\$0.39	\$0.04	\$0.21
Secondary Demand	\$/kW/Month	\$0.46	\$0.76	\$0.87	\$0.73	\$0.00	\$0.31	\$1.03	\$0.13	\$0.57
Distribution Demand	\$/kW/Month	\$1.28	\$2.38	\$3.21	\$2.48	\$0.00	\$2.71	\$3.70	\$2.27	\$2.07
Total Demand	\$/kW/Month	\$8.41	\$14.35	\$20.49	\$17.33	\$19.08	\$22.42	\$24.75	\$23.15	\$14.29
Total Demand & Energy	¢/kWh	17.771	18.481	17.609	17.229	14.859	15.986	16.720	18.517	17.106
Customer:										
Primary Lines	\$/Cust/Month	\$4.31	\$7.73	\$11.02	\$7.95	\$0.00	\$3.43	\$5.77	\$3.49	\$4.77
Secondary Lines	\$/Cust/Month	\$1.97	\$2.89	\$3.34	\$2.63	\$0.00	\$0.00	\$1.82	\$0.36	\$2.08
Line Transformers	\$/Cust/Month	\$0.75	\$14.21	\$32.95	\$17.50	\$0.00	\$0.00	\$75.17	\$1.53	\$2.75
Services	\$/Cust/Month	\$2.90	\$4.61	\$13.05	\$3.73	\$102.08	\$13.80	\$8.77	\$3.30	\$3.29
Meters	\$/Cust/Month	\$0.71	\$1.33	\$13.71	\$1.50	\$243.75	\$40.95	\$10.29	\$2.19	\$1.09
Street Lighting	\$/Cust/Month	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.69	\$0.01
Customer Accounts	\$/Cust/Month	\$5.25	\$6.98	\$8.94	\$6.74	\$6.25	\$8.64	\$8.33	\$5.97	\$5.50
Uncollectibles	\$/Cust/Month	\$0.33	\$0.45	\$2.77	\$1.60	\$0.00	\$25.82	\$40.97	\$0.38	\$0.44
Customer Service	\$/Cust/Month	\$1.22	\$0.24	\$15.22	\$0.40	\$60.42	\$623.16	\$280.69	\$0.15	\$1.97
Total Customer		\$17.44	\$38.44	\$101.00	\$42.05	\$412.50	\$715.80	\$431.81	\$24.06	\$21.90
Total	¢/kWh	20.338	21.711	17.995	18.159	14.871	16.054	16.839	18.851	18.111
Unitizing Factors:										
Energy Sales	MWH	2,128,900.0	371,800.0	2,068,800.0	40,500.0	175,161.0	2,061,983.0	835,856.0	37,800.0	7,720,800.0
Sum of Customer Demands	MW (NCD)	15,228.2	1,725.0	5,846.8	127.2	307.8	4,028.5	1,671.8	113.5	29,048.8
Average Annual Customers	Number	261,302.0	26,032.0	6,588.0	746.0	4.0	163.0	192.0	437.0	295,464

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Class Rates of Return On Rate Base At Proposed Rates

	Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT Large Power Trans (\$000s)	Schedule PP Large Power Pri (\$000s)	Schedule PS Large Power Sec (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
Changes To Income:									
Sales Revenue Increase	\$30,589.3	\$5,702.9	\$26,301.6	\$519.6	\$1,840.2	\$23,386.3	\$9,943.7	\$503.4	\$98,787.0
Other Rev Increase	\$653.0	\$74.7	\$30.6	\$4.4	\$0.0	\$3.6	\$2.4	\$1.0	\$769.7
Total Revenue Increase	\$31,242.3	\$5,777.6	\$26,332.2	\$524.0	\$1,840.2	\$23,389.9	\$9,946.1	\$504.4	\$99,556.7
Changes to Expenses:									
Incr In Uncollectibles	\$66.3	\$9.1	\$14.2	\$0.9	\$0.0	\$3.3	\$6.1	\$0.1	\$100.0
Incr in Revenue Tax	\$2,749.0	\$509.6	\$2,330.9	\$46.3	\$163.0	\$2,071.2	\$880.7	\$44.7	\$8,795.4
Increase in Taxable Income	\$28,427.0	\$5,258.9	\$23,987.1	\$476.8	\$1,677.2	\$21,315.4	\$9,059.3	\$459.6	\$90,661.3
Increase in Income Taxes	\$11,060.9	\$2,046.2	\$9,333.4	\$185.5	\$652.6	\$8,293.8	\$3,525.0	\$178.8	\$35,276.2
Total Incr In Expenses	\$13,876.2	\$2,564.9	\$11,678.5	\$232.7	\$815.6	\$10,368.3	\$4,411.8	\$223.6	\$44,171.6
Increase In Total Return	\$17,366.1	\$3,212.7	\$14,653.7	\$291.3	\$1,024.6	\$13,021.6	\$5,534.3	\$280.8	\$55,385.1
Proposed Total Return	\$29,608.1	\$9,075.3	\$33,566.2	\$527.9	\$1,339.8	\$23,112.9	\$10,829.1	\$271.1	\$108,330.4
Changes To Rate Base:									
Change in Working Cash	(\$389.9)	(\$71.8)	(\$324.8)	(\$6.5)	(\$22.6)	(\$287.3)	(\$122.8)	(\$6.2)	(\$1,231.9)
Rate Base At Proposed Rates	\$519,107.0	\$97,265.3	\$277,053.1	\$7,050.0	\$12,650.5	\$201,009.5	\$92,788.5	\$7,388.7	\$1,214,312.6
Rates of Return & Increases:									
Prop Rate of Return (%)	5.70%	9.33%	12.12%	7.49%	10.59%	11.50%	11.67%	3.67%	8.92%
ROR As % Of System ROR	63.90%	104.60%	135.87%	83.97%	118.72%	128.92%	130.83%	41.14%	100.00%
% Incr In Return	141.86%	54.80%	77.48%	123.12%	325.06%	129.04%	104.52%	-2894.85%	104.61%
% Increase In Sales Rev	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%
% Incr In Other Rev	26.13%	23.63%	4.96%	16.54%	0.00%	1.20%	1.61%	4.15%	19.50%
% Incr in Oper Rev	7.17%	7.13%	7.06%	7.10%	7.06%	7.06%	7.06%	7.06%	7.10%
Return From Sales Rev:									
Incr In Rev Tax	\$2,707.4	\$504.8	\$2,328.9	\$46.0	\$163.0	\$2,071.0	\$880.5	\$44.6	\$8,746.2
Incr In Taxable Income	\$27,815.6	\$5,189.0	\$23,958.5	\$472.7	\$1,677.2	\$21,312.0	\$9,057.1	\$458.7	\$89,940.8
Incr In Income Tax	\$10,823.0	\$2,019.0	\$9,322.3	\$183.9	\$652.6	\$8,292.5	\$3,524.1	\$178.5	\$34,995.9
Incr In Expenses	\$13,596.7	\$2,532.9	\$11,665.4	\$230.8	\$815.6	\$10,366.8	\$4,410.7	\$223.2	\$43,842.1
Incr In Return From Sales	\$16,992.6	\$3,170.0	\$14,636.2	\$288.8	\$1,024.6	\$13,019.5	\$5,533.0	\$280.2	\$54,944.9

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 6 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Class Sales Revenues At Proposed Rates

		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT Large Power Trans (\$000s)	Schedule PP Large Power Pri (\$000s)	Schedule PS Large Power Sec (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
<u>Production</u>										
Production - Dmd	D1	\$102,949.4	\$18,669.7	\$93,971.3	\$1,795.1	\$6,082.0	\$77,109.9	\$33,551.9	\$2,355.1	\$336,484.4
Production - Engy	E1	\$251,594.8	\$44,163.5	\$246,270.7	\$4,800.1	\$20,383.3	\$241,457.9	\$99,207.0	\$4,395.6	\$912,272.9
Total Production		\$354,544.2	\$62,833.2	\$340,242.0	\$6,595.2	\$26,465.3	\$318,567.8	\$132,758.9	\$6,750.7	\$1,248,757.3
<u>Transmission</u>										
	D1	\$17,719.1	\$4,000.2	\$22,845.8	\$348.2	\$1,391.7	\$18,335.6	\$8,032.6	\$348.7	\$73,021.9
<u>Distribution</u>										
Substations	D2	\$6,535.9	\$1,416.1	\$7,712.2	\$122.9	\$0.0	\$5,959.5	\$2,646.0	\$138.1	\$24,530.7
Primary Lines										
Demand	D2	\$9,614.6	\$1,990.6	\$10,582.1	\$176.2	\$0.0	\$8,210.7	\$3,641.1	\$210.5	\$34,425.8
Customer	C1	\$17,052.5	\$2,896.3	\$1,140.2	\$92.6	\$0.0	\$9.5	\$18.3	\$25.1	\$21,234.5
Subtotal Pri Lines		\$26,667.1	\$4,886.9	\$11,722.3	\$268.8	\$0.0	\$8,220.2	\$3,659.4	\$235.6	\$55,660.3
Secondary Lines										
Demand	D3	\$5,720.6	\$977.4	\$4,076.5	\$77.0	\$0.0	\$1,110.8	\$1,467.2	\$13.3	\$13,442.8
Customer	C2	\$7,783.8	\$1,083.0	\$345.4	\$30.5	\$0.0	\$0.0	\$5.8	\$2.5	\$9,251.0
Subtotal Sec Lines		\$13,504.4	\$2,060.4	\$4,421.9	\$107.5	\$0.0	\$1,110.8	\$1,473.0	\$15.8	\$22,693.8
Subtotal Lines		\$40,171.5	\$6,947.3	\$16,144.2	\$376.3	\$0.0	\$9,331.0	\$5,132.4	\$251.4	\$78,354.1
Line Transformers										
Demand	D3	\$3,494.2	\$653.4	\$2,854.6	\$49.7	\$0.0	\$771.4	\$1,022.5	\$7.9	\$8,853.7
Customer	C3	\$3,426.8	\$5,748.9	\$3,764.1	\$233.6	\$0.0	\$0.0	\$269.0	\$14.5	\$13,456.9
Subtotal Transf		\$6,921.0	\$6,402.3	\$6,618.7	\$283.3	\$0.0	\$771.4	\$1,291.5	\$22.4	\$22,310.6
Services	C4	\$12,949.2	\$1,847.5	\$1,473.8	\$49.0	\$9.9	\$43.6	\$31.0	\$29.7	\$16,433.7
Meters	C5	\$2,669.9	\$485.8	\$1,362.6	\$16.6	\$17.4	\$108.0	\$31.0	\$14.8	\$4,706.1
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$52.8	\$52.8
Total Distribution		\$69,247.5	\$17,099.0	\$33,311.5	\$848.1	\$27.3	\$16,213.5	\$9,131.9	\$509.2	\$146,388.0
Customer Accts	C6	\$17,146.4	\$2,266.8	\$751.5	\$63.4	\$0.3	\$18.3	\$20.6	\$32.7	\$20,300.0
Uncollectibles	C7	\$1,092.3	\$149.4	\$233.2	\$15.2	\$0.0	\$53.8	\$100.4	\$2.1	\$1,646.4
Customer Service	C8	\$3,815.5	\$75.9	\$1,203.6	\$3.6	\$3.0	\$1,218.9	\$646.8	\$0.8	\$6,968.1
Totals										
Demand		\$146,033.8	\$27,707.4	\$142,042.5	\$2,569.1	\$7,473.7	\$111,497.9	\$50,361.3	\$3,073.6	\$490,759.3
Energy		\$251,594.8	\$44,163.5	\$246,270.7	\$4,800.1	\$20,383.3	\$241,457.9	\$99,207.0	\$4,395.6	\$912,272.9
Customer		\$65,936.4	\$14,553.6	\$10,274.4	\$504.5	\$30.6	\$1,452.1	\$1,122.9	\$175.0	\$94,049.5
Total		\$463,565.0	\$86,424.5	\$398,587.6	\$7,873.7	\$27,887.6	\$354,407.9	\$150,691.2	\$7,644.2	\$1,497,081.7
Percent of Total		30.965%	5.773%	26.624%	0.526%	1.863%	23.673%	10.066%	0.511%	100.001%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 7 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Unit Functionalized Class Sales Revenues At Proposed Rates

	Units	Schedule R/E Residential Service	Schedule G Gen Service Non-Dmd	Schedule J Gen Service Demand	Schedule H Comm Service	Schedule PT Large Power Trans	Schedule PP Large Power Pri	Schedule PS Large Power Sec	Schedule F Street Lighting	Total System
Energy:										
Production	¢/kWh	11.818	11.878	11.904	11.852	11.637	11.710	11.869	11.629	11.816
Demand:										
Production	\$/kW/Month	\$6.76	\$10.82	\$16.07	\$14.11	\$19.76	\$19.14	\$20.07	\$20.75	\$11.58
Transmission	\$/kW/Month	\$1.16	\$2.32	\$3.91	\$2.74	\$4.52	\$4.55	\$4.80	\$3.07	\$2.51
Distribution Primary										
Substations	\$/kW/Month	\$0.43	\$0.82	\$1.32	\$0.97	\$0.00	\$1.48	\$1.58	\$1.22	\$0.84
Primary Lines	\$/kW/Month	\$0.63	\$1.15	\$1.81	\$1.39	\$0.00	\$2.04	\$2.18	\$1.85	\$1.19
Primary Demand	\$/kW/Month	\$1.06	\$1.97	\$3.13	\$2.36	\$0.00	\$3.52	\$3.76	\$3.07	\$2.03
Distribution Secondary										
Secondary Lines	\$/kW/Month	\$0.38	\$0.57	\$0.70	\$0.61	\$0.00	\$0.28	\$0.88	\$0.12	\$0.46
Line Transformer	\$/kW/Month	\$0.23	\$0.38	\$0.49	\$0.39	\$0.00	\$0.19	\$0.61	\$0.07	\$0.30
Secondary Demand	\$/kW/Month	\$0.61	\$0.95	\$1.19	\$1.00	\$0.00	\$0.47	\$1.49	\$0.19	\$0.76
Distribution Demand	\$/kW/Month	\$1.67	\$2.92	\$4.32	\$3.36	\$0.00	\$3.99	\$5.25	\$3.26	\$2.79
Total Demand	\$/kW/Month	\$9.59	\$16.06	\$24.30	\$20.21	\$24.28	\$27.68	\$30.12	\$27.08	\$16.88
Total Demand & Energy	¢/kWh	18.678	19.331	18.77	18.196	15.904	17.117	17.894	19.760	18.172
Customer:										
Primary Lines	\$/Cust/Month	\$5.44	\$9.27	\$14.42	\$10.34	\$0.00	\$4.86	\$7.94	\$4.79	\$5.99
Secondary Lines	\$/Cust/Month	\$2.48	\$3.47	\$4.37	\$3.41	\$0.00	\$0.00	\$2.52	\$0.48	\$2.61
Line Transformers	\$/Cust/Month	\$1.09	\$18.40	\$47.61	\$26.09	\$0.00	\$0.00	\$116.75	\$2.77	\$3.80
Services	\$/Cust/Month	\$4.13	\$5.91	\$18.64	\$5.47	\$206.25	\$22.29	\$13.45	\$5.66	\$4.63
Meters	\$/Cust/Month	\$0.85	\$1.56	\$17.24	\$1.85	\$362.50	\$55.21	\$13.45	\$2.82	\$1.33
Street Lighting	\$/Cust/Month	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.07	\$0.01
Customer Accounts	\$/Cust/Month	\$5.47	\$7.26	\$9.51	\$7.08	\$6.25	\$9.36	\$8.94	\$6.24	\$5.73
Uncollectibles	\$/Cust/Month	\$0.35	\$0.48	\$2.95	\$1.70	\$0.00	\$27.51	\$43.58	\$0.40	\$0.46
Customer Service	\$/Cust/Month	\$1.22	\$0.24	\$15.22	\$0.40	\$62.50	\$623.16	\$280.73	\$0.15	\$1.97
Total Customer		\$21.03	\$46.59	\$129.96	\$56.34	\$637.50	\$742.39	\$487.36	\$33.38	\$26.53
Total	¢/kWh	21.775	23.245	19.267	19.441	15.921	17.188	18.028	20.223	19.39
Unitizing Factors:										
Energy Sales	MWH	2,128,900.0	371,800.0	2,068,800.0	40,500.0	175,161.0	2,061,983.0	835,856.0	37,800.0	7,720,800.0
Sum of Customer Demands	MW (NCD)	15,228.2	1,725.0	5,846.8	127.2	307.8	4,028.5	1,671.8	113.5	29,048.8
Average Annual Customers	Number	261,302.0	26,032.0	6,588.0	746.0	4.0	163.0	192.0	437.0	295,464.0

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 8 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Class Rates Of Return At Equal ROR

	Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT Large Power Trans (\$000s)	Schedule PP Large Power Pri (\$000s)	Schedule PS Large Power Sec (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
Changes To Income:									
Sales Revenue Increase	\$60,530.4	\$4,985.3	\$10,430.0	\$700.6	\$1,462.8	\$14,108.1	\$5,368.0	\$1,200.0	\$98,785.2
Other Rev Increase	\$653.0	\$74.7	\$30.6	\$4.4	\$0.0	\$3.6	\$2.4	\$1.0	\$769.7
Total Revenue Increase	\$61,183.4	\$5,060.0	\$10,460.6	\$705.0	\$1,462.8	\$14,111.7	\$5,370.4	\$1,201.0	\$99,554.9
Changes to Expenses:									
Incr In Uncollectibles	\$61.1	\$5.0	\$10.5	\$0.7	\$1.5	\$14.2	\$5.4	\$1.2	\$99.6
Incr in Revenue Tax	\$5,402.2	\$446.3	\$925.7	\$62.3	\$129.5	\$1,249.6	\$475.6	\$106.4	\$8,797.6
Increase in Taxable Income	\$55,720.1	\$4,608.7	\$9,524.4	\$642.0	\$1,331.8	\$12,847.9	\$4,889.4	\$1,093.4	\$90,657.7
Increase in Income Taxes	\$21,680.7	\$1,793.2	\$3,705.9	\$249.8	\$518.2	\$4,999.1	\$1,902.5	\$425.4	\$35,274.8
Total Incr In Expenses	\$27,144.0	\$2,244.5	\$4,642.1	\$312.8	\$649.2	\$6,262.9	\$2,383.5	\$533.0	\$44,172.0
Increase In Total Return	\$34,039.4	\$2,815.5	\$5,818.5	\$392.2	\$813.6	\$7,848.8	\$2,986.9	\$668.0	\$55,382.9
Proposed Total Return	\$46,281.4	\$8,678.1	\$24,731.0	\$628.8	\$1,128.8	\$17,940.1	\$8,281.7	\$658.3	\$108,328.2
Changes To Rate Base:									
Change in Working Cash	(\$756.5)	(\$62.5)	(\$129.6)	(\$8.7)	(\$18.1)	(\$175.0)	(\$66.6)	(\$14.9)	(\$1,231.9)
Rate Base At Proposed Rates	\$518,740.4	\$97,274.6	\$277,248.3	\$7,047.8	\$12,655.0	\$201,121.8	\$92,844.7	\$7,380.0	\$1,214,312.6
Rates of Return & Increases:									
Prop Rate of Return (%)	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%
ROR As % Of System ROR	100.01%	100.00%	99.99%	100.01%	99.99%	99.99%	99.99%	99.99%	100.000%
% Incr In Return	278.05%	48.03%	30.77%	165.77%	258.12%	77.78%	56.41%	-6886.60%	104.60%
% Increase In Sales Rev	13.98%	6.18%	2.80%	9.53%	5.62%	4.26%	3.81%	16.84%	7.07%
% Incr In Other Rev	26.13%	23.63%	4.96%	16.54%	0.00%	1.20%	1.61%	4.15%	19.50%
% Incr in Total Oper Rev	14.05%	6.24%	2.81%	9.55%	5.61%	4.26%	3.81%	16.80%	7.10%
Return From Sales Rev:									
Incr In Rev Tax	\$5,360.6	\$441.5	\$923.7	\$62.0	\$129.5	\$1,249.4	\$475.4	\$106.3	\$8,748.4
Incr In Taxable Income	\$55,108.7	\$4,538.8	\$9,495.8	\$637.9	\$1,331.8	\$12,844.5	\$4,887.2	\$1,092.5	\$89,937.2
Incr In Income Tax	\$21,442.8	\$1,766.0	\$3,694.8	\$248.2	\$518.2	\$4,997.8	\$1,901.6	\$425.1	\$34,994.5
Incr In Expenses	\$26,864.5	\$2,212.5	\$4,629.0	\$310.9	\$649.2	\$6,261.4	\$2,382.4	\$532.6	\$43,842.5
Incr In Return From Sales	\$33,665.9	\$2,772.8	\$5,801.0	\$389.7	\$813.6	\$7,846.7	\$2,985.6	\$667.4	\$54,942.7

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 9 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Class Sales Revenues At Equal ROR

		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT Large Power Trans (\$000s)	Schedule PP Large Power Pri (\$000s)	Schedule PS Large Power Sec (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
<u>Production</u>										
Production - Dmd	D1	\$109,616.6	\$18,525.3	\$88,591.2	\$1,845.3	\$5,896.0	\$73,492.2	\$31,877.7	\$2,615.4	\$332,459.7
Production - Engy	E1	\$252,716.8	\$44,138.4	\$245,179.3	\$4,809.7	\$20,336.2	\$240,589.3	\$98,826.2	\$4,427.7	\$911,023.6
Total Production		\$362,333.4	\$62,663.7	\$333,770.5	\$6,655.0	\$26,232.2	\$314,081.5	\$130,703.9	\$7,043.1	\$1,243,483.3
<u>Transmission</u>										
	D1	\$22,864.6	\$3,888.7	\$18,693.7	\$387.0	\$1,248.0	\$15,543.5	\$6,740.6	\$549.6	\$69,915.7
<u>Distribution</u>										
Substations	D2	\$8,176.8	\$1,380.8	\$6,435.4	\$134.9	\$0.0	\$5,135.4	\$2,259.0	\$204.9	\$23,727.2
Primary Lines										
Demand	D2	\$11,554.3	\$1,948.9	\$9,072.5	\$190.4	\$0.0	\$7,236.3	\$3,183.7	\$289.6	\$33,475.7
Customer	C1	\$20,493.3	\$2,835.6	\$977.6	\$100.1	\$0.0	\$8.3	\$16.1	\$34.5	\$24,465.5
Subtotal Pri Lines		\$32,047.6	\$4,784.5	\$10,050.1	\$290.5	\$0.0	\$7,244.6	\$3,199.8	\$324.1	\$57,941.2
Secondary Lines										
Demand	D3	\$6,874.6	\$956.8	\$3,495.1	\$83.2	\$0.0	\$979.1	\$1,282.8	\$18.5	\$13,690.1
Customer	C2	\$9,354.4	\$1,060.2	\$296.1	\$33.1	\$0.0	\$0.0	\$5.1	\$3.5	\$10,752.4
Subtotal Sec Lines		\$16,229.0	\$2,017.0	\$3,791.2	\$116.3	\$0.0	\$979.1	\$1,287.9	\$22.0	\$24,442.5
Subtotal Lines		\$48,276.6	\$6,801.5	\$13,841.3	\$406.8	\$0.0	\$8,223.7	\$4,487.7	\$346.1	\$82,383.7
Line Transformers										
Demand	D3	\$4,549.7	\$634.6	\$2,323.0	\$55.3	\$0.0	\$651.1	\$853.8	\$12.4	\$9,079.9
Customer	C3	\$4,461.6	\$5,584.2	\$3,063.1	\$260.5	\$0.0	\$0.0	\$224.5	\$23.3	\$13,617.2
Subtotal Transf		\$9,011.3	\$6,218.8	\$5,386.1	\$315.8	\$0.0	\$651.1	\$1,078.3	\$35.7	\$22,697.1
Services	C4	\$16,703.5	\$1,796.0	\$1,206.2	\$54.4	\$8.8	\$37.0	\$26.0	\$46.9	\$19,878.8
Meters	C5	\$3,112.8	\$477.2	\$1,194.0	\$17.7	\$16.2	\$96.8	\$27.7	\$19.3	\$4,961.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$56.1	\$56.1
Total Distribution		\$85,281.0	\$16,674.3	\$28,063.0	\$929.6	\$25.0	\$14,144.0	\$7,878.7	\$709.0	\$153,704.6
Customer Accts	C6	\$17,804.9	\$2,256.0	\$724.6	\$64.5	\$0.3	\$17.8	\$20.0	\$34.9	\$20,923.0
Uncollectibles	C7	\$1,086.5	\$145.3	\$229.6	\$15.0	\$1.5	\$64.7	\$99.8	\$3.2	\$1,645.6
Customer Service	C8	\$4,136.7	\$78.7	\$1,234.4	\$3.8	\$3.1	\$1,278.4	\$672.5	\$0.8	\$7,408.4
Totals										
Demand		\$163,636.6	\$27,335.1	\$128,610.9	\$2,696.1	\$7,144.0	\$103,037.6	\$46,197.6	\$3,690.4	\$482,348.3
Energy		\$252,716.8	\$44,138.4	\$245,179.3	\$4,809.7	\$20,336.2	\$240,589.3	\$98,826.2	\$4,427.7	\$911,023.6
Customer		\$77,153.7	\$14,233.2	\$8,925.6	\$549.1	\$29.9	\$1,503.0	\$1,091.7	\$222.5	\$103,708.7
Total		\$493,507.1	\$85,706.7	\$382,715.8	\$8,054.9	\$27,510.1	\$345,129.9	\$146,115.5	\$8,340.6	\$1,497,080.6
Percent of Total		32.965%	5.725%	25.564%	0.538%	1.838%	23.054%	9.760%	0.556%	100.000%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 10 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Unit Functionalized Class Revenue Requirements At Equal ROR

	Units	Schedule R/E Residential Service	Schedule G Gen Service Non-Dmd	Schedule J Gen Service Demand	Schedule H Comm Service	Schedule PT Large Power Trans	Schedule PP Large Power Pri	Schedule PS Large Power Sec	Schedule F Street Lighting	Total System
Energy:										
Production	¢/kWh	11.871	11.872	11.851	11.876	11.61	11.668	11.823	11.713	11.8
Demand:										
Production	\$/kW/Month	\$7.20	\$10.74	\$15.15	\$14.51	\$19.16	\$18.24	\$19.07	\$23.04	\$11.57
Transmission	\$/kW/Month	\$1.50	\$2.25	\$3.20	\$3.04	\$4.05	\$3.86	\$4.03	\$4.84	\$2.43
<u>Distribution Primary</u>										
Substations	\$/kW/Month	\$0.54	\$0.80	\$1.10	\$1.06	\$0.00	\$1.27	\$1.35	\$1.81	\$0.83
Primary Lines	\$/kW/Month	\$0.76	\$1.13	\$1.55	\$1.50	\$0.00	\$1.80	\$1.90	\$2.55	\$1.16
Primary Demand	\$/kW/Month	\$1.30	\$1.93	\$2.65	\$2.56	\$0.00	\$3.07	\$3.25	\$4.36	\$1.99
<u>Distribution Secondary</u>										
Secondary Lines	\$/kW/Month	\$0.45	\$0.55	\$0.60	\$0.65	\$0.00	\$0.24	\$0.77	\$0.16	\$0.48
Line Transformer	\$/kW/Month	\$0.30	\$0.37	\$0.40	\$0.43	\$0.00	\$0.16	\$0.51	\$0.11	\$0.32
Secondary Demand	\$/kW/Month	\$0.75	\$0.92	\$1.00	\$1.08	\$0.00	\$0.40	\$1.28	\$0.27	\$0.80
Distribution Demand	\$/kW/Month	\$2.05	\$2.85	\$3.65	\$3.64	\$0.00	\$3.47	\$4.53	\$4.63	\$2.79
Total Demand	\$/kW/Month	\$10.75	\$15.84	\$22.00	\$21.19	\$23.21	\$25.57	\$27.63	\$32.51	\$16.79
Total Demand & Energy	¢/kWh	19.557	19.224	18.068	18.533	15.689	16.665	17.350	21.476	18.047
Customer:										
Primary Lines	\$/Cust/Month	\$6.54	\$9.08	\$12.37	\$11.18	\$0.00	\$4.24	\$6.99	\$6.58	\$6.90
Secondary Lines	\$/Cust/Month	\$2.98	\$3.39	\$3.75	\$3.70	\$0.00	\$0.00	\$2.21	\$0.67	\$3.03
Line Transformers	\$/Cust/Month	\$1.42	\$17.88	\$38.75	\$29.10	\$0.00	\$0.00	\$97.44	\$4.44	\$3.84
Services	\$/Cust/Month	\$5.33	\$5.75	\$15.26	\$6.08	\$183.33	\$18.92	\$11.28	\$8.94	\$5.61
Meters	\$/Cust/Month	\$0.99	\$1.53	\$15.10	\$1.98	\$337.50	\$49.49	\$12.02	\$3.68	\$1.40
Street Lighting	\$/Cust/Month	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.70	\$0.02
Customer Accounts	\$/Cust/Month	\$5.68	\$7.22	\$9.17	\$7.21	\$6.25	\$9.10	\$8.68	\$6.66	\$5.90
Uncollectibles	\$/Cust/Month	\$0.35	\$0.47	\$2.90	\$1.68	\$31.25	\$33.08	\$43.32	\$0.61	\$0.46
Customer Service	\$/Cust/Month	\$1.32	\$0.25	\$15.61	\$0.42	\$64.58	\$653.58	\$291.88	\$0.15	\$2.09
Total Customer		\$24.61	\$45.57	\$112.91	\$61.35	\$622.91	\$768.41	\$473.82	\$42.43	\$29.25
Total	¢/kWh	23.181	23.052	18.499	19.889	15.706	16.738	17.481	22.065	19.39
Unitizing Factors:										
Energy Sales	MWH	2,128,900.0	371,800.0	2,068,800.0	40,500.0	175,161.0	2,061,983.0	835,856.0	37,800.0	7,720,800.0
Sum of Customer Demands	MW (NCD)	15,228.2	1,725.0	5,846.8	127.2	307.8	4,028.5	1,671.8	113.5	28,741.0
Average Annual Customers	Number	261,302.0	26,032.0	6,588.0	746.0	4.0	163.0	192.0	437.0	295,464.0

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 11 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Allocated Income And Other Taxes At Present Rates

						Schedule PT		Schedule PP		Schedule PS		Schedule F			
		Schedule R/E	Schedule G	Schedule J	Schedule H	P - TP	P - TS	P - DP	P - DS	P - Sec	P - Nwk	Street	Total		
		Residential	Gen Service	Gen Service	Comm	Large Power	Large Power	Large Power	Large Power	Large Power	Large Power	Lighting	System		
		Service	Non-Demd	Demand	Service	Trans Pri	Trans Sec	Dist Pri	Dist Sec	Sec	Nwk	(\$000s)	(\$000s)		
		(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)		
<u>Income:</u>															
Sales Revenue		\$432,975.6	\$80,721.8	\$372,286.2	\$7,354.1	\$26,047.3	\$0.0	\$331,021.2	\$0.0	\$140,747.4	\$0.0	\$7,125.4	\$1,398,279.0		
Other Operating Revenue		\$1,797.0	\$195.7	\$270.0	\$17.9	\$0.0	\$0.0	\$51.7	\$0.0	\$33.4	\$0.0	\$14.5	\$2,380.2		
Misc Rev From Rents		\$702.2	\$120.4	\$347.0	\$8.7	\$14.9	\$0.0	\$246.2	\$2.6	\$94.2	\$21.1	\$9.6	\$1,566.9		
Total Operating Revenue		\$435,474.8	\$81,037.9	\$372,903.2	\$7,380.7	\$26,062.2	\$0.0	\$331,319.1	\$2.6	\$140,875.0	\$21.1	\$7,149.5	\$1,402,226.1		
Other Income		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
Total Income		\$435,474.8	\$81,037.9	\$372,903.2	\$7,380.7	\$26,062.2	\$0.0	\$331,319.1	\$2.6	\$140,875.0	\$21.1	\$7,149.5	\$1,402,226.1		
<u>Deductions:</u>															
O&M Expense		\$345,115.2	\$58,494.6	\$295,223.7	\$5,962.4	\$22,738.4	\$0.0	\$273,461.6	\$2,909.7	\$94,193.3	\$21,172.7	\$6,166.0	\$1,125,437.6		
Depreciation Exp & Amort ITC		\$37,044.8	\$6,860.3	\$16,573.4	\$454.8	\$620.8	\$0.0	\$10,976.3	\$117.7	\$4,357.9	\$969.4	\$439.6	\$78,415.0		
Tax Depreciation Adj		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
Other Tax Deductions		\$13,037.7	\$2,442.9	\$6,961.2	\$177.2	\$318.2	\$0.0	\$4,998.4	\$53.4	\$1,906.6	\$424.9	\$185.8	\$30,506.3		
<u>Revenue Taxes:</u>															
Public Service Co. Tax		\$25,592.6	\$4,762.5	\$21,915.3	\$433.8	\$1,531.6	\$0.0	\$19,471.4	\$0.2	\$8,279.1	\$1.2	\$420.2	\$82,407.9		
PUC Fee		\$2,174.5	\$404.7	\$1,862.1	\$36.9	\$130.1	\$0.0	\$1,654.4	\$0.0	\$703.5	\$0.1	\$35.7	\$7,002.0		
Franchise Royalty Tax		\$10,813.6	\$2,016.0	\$9,297.8	\$183.7	\$650.5	\$0.0	\$8,267.3	\$0.0	\$3,515.2	\$0.0	\$178.0	\$34,922.1		
Total Revenue Taxes		\$38,580.7	\$7,183.2	\$33,075.2	\$654.4	\$2,312.2	\$0.0	\$29,393.1	\$0.2	\$12,497.8	\$1.3	\$633.9	\$124,332.0		
<u>Payroll Taxes:</u>															
State Unemp Tax		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
Fed Unemp Tax		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
FICA Tax		\$2,838.2	\$428.9	\$1,420.8	\$32.2	\$73.9	\$0.0	\$1,088.9	\$11.2	\$407.0	\$85.7	\$42.1	\$6,428.9		
Total Payroll Taxes		\$2,838.2	\$428.9	\$1,420.8	\$32.2	\$73.9	\$0.0	\$1,088.9	\$11.2	\$407.0	\$85.7	\$42.1	\$6,428.9		
Total Other Taxes		\$41,418.9	\$7,612.1	\$34,496.0	\$686.6	\$2,386.1	\$0.0	\$30,482.0	\$11.4	\$12,904.8	\$87.0	\$676.0	\$130,760.9		
Total Tax Deductions		\$436,616.6	\$75,409.9	\$353,254.3	\$7,281.0	\$26,063.5	\$0.0	\$319,918.3	\$3,092.2	\$113,362.6	\$22,654.0	\$7,467.4	\$1,365,119.8		
Interest On Cust Dep		\$160.3	\$30.0	\$85.6	\$2.2	\$3.9	\$0.0	\$61.4	\$0.7	\$23.4	\$5.2	\$2.3	\$375.0		
Taxable Income		(\$1,302.1)	\$5,598.0	\$19,563.3	\$97.5	(\$5.2)	\$0.0	\$11,339.4	(\$3,090.3)	\$27,489.0	(\$22,638.1)	(\$320.2)	\$36,731.3		
Income Taxes		(\$506.6)	\$2,178.2	\$7,612.0	\$37.9	(\$2.0)	\$0.0	\$4,412.1	(\$1,202.4)	\$10,695.9	(\$8,808.4)	(\$124.6)	\$14,292.1		
Percent of Total		-3.545%	15.241%	53.260%	0.265%	-0.014%	0.000%	30.871%	-8.413%	74.838%	-61.631%	-0.874%	99.998%		

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 12 OF 161

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 13 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized System Expense Components

		O&M Labor (\$000s)	O&M Non-L (\$000s)	Subtotal (\$000s)	A&G (\$000s)	Wage Adj (\$000s)	Total O&M (\$000s)	Depr Accrual (\$000s)	Amort CIAC (\$000s)	Total Depr Exp (\$000s)	Amort ITC (\$000s)
Production											
Demand	D1	\$30,205.0	\$149,172.0	\$179,377.0	\$55,510.3	\$0.0	\$234,887.3	\$20,265.1	\$0.0	\$20,265.1	-\$375.2
Energy	E1	\$817.0	\$820,053.0	\$820,870.0	\$279.5	\$0.0	\$821,149.5	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		\$31,022.0	\$969,225.0	\$1,000,247.0	\$55,789.8	\$0.0	\$1,056,036.8	\$20,265.1	\$0.0	\$20,265.1	-\$375.2
Transmission											
	D1	\$4,469.0	\$6,022.0	\$10,491.0	\$3,352.7	\$0.0	\$13,843.7	\$18,045.0	-\$3,005.8	\$15,039.2	-\$174.5
Distribution											
Substations	D2	\$2,355.6	\$2,890.4	\$5,245.9	\$1,680.9	\$0.0	\$6,926.8	\$4,747.7	-\$712.0	\$4,035.7	-\$58.2
Primary Lines											
Demand	D2	\$2,539.6	\$3,859.0	\$6,398.6	\$2,037.6	\$0.0	\$8,436.2	\$10,844.3	-\$1,319.3	\$9,525.0	-\$98.4
Customer	C1	\$1,868.6	\$2,839.4	\$4,708.0	\$1,499.4	\$0.0	\$6,207.4	\$7,979.3	-\$970.8	\$7,008.5	-\$72.5
Subtotal Pri Lines		\$4,408.2	\$6,698.4	\$11,106.6	\$3,537.0	\$0.0	\$14,643.6	\$18,823.6	-\$2,290.1	\$16,533.5	-\$170.9
Secondary Lines											
Demand	D3	\$1,040.8	\$1,581.7	\$2,622.5	\$835.0	\$0.0	\$3,457.5	\$4,444.8	-\$540.8	\$3,904.0	-\$40.3
Customer	C2	\$821.4	\$1,248.2	\$2,069.6	\$659.0	\$0.0	\$2,728.6	\$3,507.8	-\$426.7	\$3,081.1	-\$31.8
Subtotal Sec Lines		\$1,862.2	\$2,829.9	\$4,692.1	\$1,494.0	\$0.0	\$6,186.1	\$7,952.5	-\$967.5	\$6,985.0	-\$72.1
Subtotal Lines		\$6,270.4	\$9,528.3	\$15,798.7	\$5,031.0	\$0.0	\$20,829.7	\$26,776.1	-\$3,257.6	\$23,518.5	-\$243.0
Line Transformers											
Demand	D3	\$285.3	\$325.2	\$610.5	\$195.9	\$0.0	\$806.4	\$3,113.2	-\$258.1	\$2,855.1	-\$23.1
Customer	C3	\$428.1	\$487.9	\$916.0	\$294.4	\$0.0	\$1,210.4	\$4,669.9	-\$387.1	\$4,282.8	-\$34.6
Subtotal Transf		\$713.4	\$813.1	\$1,526.5	\$490.3	\$0.0	\$2,016.8	\$7,783.2	-\$645.2	\$7,138.0	-\$57.7
Services	C4	\$170.0	\$384.6	\$554.6	\$174.5	\$0.0	\$729.1	\$8,599.1	-\$809.6	\$7,789.5	-\$138.1
Meters	C5	\$1,152.7	\$422.0	\$1,574.7	\$521.9	\$0.0	\$2,096.6	\$900.5	-\$137.9	\$762.6	-\$14.5
Street Lighting	C9	\$21.6	\$0.0	\$21.6	\$7.4	\$0.0	\$29.0	\$1.2	\$0.0	\$1.2	\$0.0
Distribution Total		\$10,683.6	\$14,038.4	\$24,722.0	\$7,906.0	\$0.0	\$32,628.0	\$48,807.7	-\$5,562.3	\$43,245.4	-\$511.5
Customer Accts	C6	\$6,665.0	\$5,355.0	\$12,020.0	\$3,901.7	\$0.0	\$15,921.7	\$690.0	\$0.0	\$690.0	-\$4.2
Uncollectibles	C7	\$0.0	\$1,411.0	\$1,411.0	\$0.0	\$0.0	\$1,411.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$2,504.0	\$1,716.0	\$4,220.0	\$1,376.5	\$0.0	\$5,596.5	\$242.2	\$0.0	\$242.2	-\$1.5
Total		\$55,343.6	\$997,767.4	\$1,053,111.0	\$72,326.7	\$0.0	\$1,125,437.7	\$88,050.0	-\$8,568.1	\$79,481.9	-\$1,066.9
Demand		\$40,895.3	\$163,850.3	\$204,745.5	\$63,612.4	\$0.0	\$268,357.9	\$61,460.1	-\$5,836.0	\$55,624.1	-\$769.7
Energy		\$817.0	\$820,053.0	\$820,870.0	\$279.5	\$0.0	\$821,149.5	\$0.0	\$0.0	\$0.0	\$0.0
Customer		\$13,631.3	\$13,864.1	\$27,495.5	\$8,434.8	\$0.0	\$35,930.3	\$26,589.9	-\$2,732.1	\$23,857.8	-\$297.2
Total Expense		\$55,343.6	\$997,767.4	\$1,053,111.0	\$72,326.7	\$0.0	\$1,125,437.7	\$88,050.0	-\$8,568.1	\$79,481.9	-\$1,066.9

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized O&M Labor Expense In \$000s

	Base O&M (\$000s)	Misc Dist (\$000s)	Total O&M (\$000s)	% O&M Excl Engy & Uncoll (%)	A&G (\$000s)	Wage Rollback (\$000s)	Change In O&M Labor At Proposed (\$000s)
<u>Production</u>							
Production - Dmd	\$30,205.0		\$30,205.0	54.577%	\$10,333.1	\$0.0	\$0.0
Production - Engy	\$817.0		\$817.0	1.476%	\$279.5	\$0.0	\$0.0
Total Production	\$31,022.0		\$31,022.0	56.053%	\$10,612.6	\$0.0	\$0.0
<u>Transmission</u>							
Transmission	\$4,469.0		\$4,469.0	8.075%	\$1,528.8	\$0.0	\$0.0
<u>Distribution</u>							
Substations	\$1,663.6	\$692.0	\$2,355.6	4.256%	\$805.8	\$0.0	\$0.0
Pri Lines - Dmd	\$1,793.6	\$746.0	\$2,539.6	4.589%	\$868.8	\$0.0	\$0.0
Pri Lines - Cust	\$1,319.7	\$548.9	\$1,868.6	3.376%	\$639.2	\$0.0	\$0.0
Sec Lines - Dmd	\$735.1	\$305.7	\$1,040.8	1.881%	\$356.1	\$0.0	\$0.0
Sec Lines - Cust	\$580.1	\$241.3	\$821.4	1.484%	\$281.0	\$0.0	\$0.0
Subtotal Lines	\$4,428.5	\$1,841.9	\$6,270.4	11.330%	\$2,145.1	\$0.0	\$0.0
Transf - Dmd	\$201.5	\$83.8	\$285.3	0.516%	\$97.7	\$0.0	\$0.0
Transf - Cust	\$302.2	\$125.9	\$428.1	0.774%	\$146.5	\$0.0	\$0.0
Subtotal Transf	\$503.7	\$209.7	\$713.4	1.290%	\$244.2	\$0.0	\$0.0
Services	\$120.1	\$49.9	\$170.0	0.307%	\$58.1	\$0.0	\$0.0
Meters	\$814.0	\$338.7	\$1,152.7	2.083%	\$394.3	\$0.0	\$0.0
Street Lighting	\$15.3	\$6.3	\$21.6	0.039%	\$7.4	\$0.0	\$15.3
Total Distribution	\$7,545.1	\$3,138.5	\$10,683.6	19.305%	\$3,654.9	\$0.0	\$15.3
Customer Accts	\$6,665.0		\$6,665.0	12.043%	\$2,280.1	\$0.0	\$0.0
Uncollectibles	\$0.0		\$0.0	0.000%	\$0.0	\$0.0	\$0.0
Customer Service	\$2,504.0		\$2,504.0	4.524%	\$856.5	\$0.0	\$0.0
Total Excl Energy & Uncoll.	\$52,205.1	\$3,138.5	\$55,343.6	100.00%	\$18,932.9	\$0.0	\$15.3

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 15 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized O&M Non-Labor Expense In \$000s

	Base O&M (\$000s)	Misc Dist (\$000s)	Total O&M (\$000s)	% O&M Excl Engy & Uncoll (%)	A&G (\$000s)	Change In O&M NL At Proposed (\$000s)
<u>Production</u>						
Production - Dmd	\$149,172.0		\$149,172.0	84.611%	\$45,177.2	\$0.0
Production - Engy	\$820,053.0		\$820,053.0	0.000%	\$0.0	\$0.0
Total Production	\$969,225.0		\$969,225.0	84.611%	\$45,177.2	\$0.0
<u>Transmission</u>	\$6,022.0		\$6,022.0	3.416%	\$1,823.9	\$0.0
<u>Distribution</u>						
Substations	\$1,951.8	\$938.6	\$2,890.4	1.639%	\$875.1	\$0.0
Pri Lines - Dmd	\$2,605.9	\$1,253.1	\$3,859.0	2.189%	\$1,168.8	\$0.0
Pri Lines - Cust	\$1,917.4	\$922.0	\$2,839.4	1.611%	\$860.2	\$0.0
Sec Lines - Dmd	\$1,068.1	\$513.6	\$1,581.7	0.897%	\$478.9	\$0.0
Sec Lines - Cust	\$842.9	\$405.3	\$1,248.2	0.708%	\$378.0	\$0.0
Subtotal Lines	\$6,434.3	\$3,094.0	\$9,528.3	5.405%	\$2,885.9	\$0.0
Transf - Dmd	\$219.6	\$105.6	\$325.2	0.184%	\$98.2	\$0.0
Transf - Cust	\$329.5	\$158.4	\$487.9	0.277%	\$147.9	\$0.0
Subtotal Transf	\$549.1	\$264.0	\$813.1	0.461%	\$246.1	\$0.0
Services	\$259.7	\$124.9	\$384.6	0.218%	\$116.4	\$0.0
Meters	\$285.0	\$137.0	\$422.0	0.239%	\$127.6	\$0.0
Street Lighting	\$0.0	\$0.0	\$0.0	0.000%	\$0.0	\$0.0
Total Distribution	\$9,479.9	\$4,558.5	\$14,038.4	7.962%	\$4,251.1	\$0.0
Customer Accts	\$5,355.0		\$5,355.0	3.037%	\$1,621.6	\$0.0
Uncollectibles	\$1,411.0		\$1,411.0	0.000%	\$0.0	\$100.0
Customer Service	\$1,716.0		\$1,716.0	0.974%	\$520.0	\$0.0
Total Excl Energy & Uncoll.	\$171,744.9	\$4,558.5	\$176,303.4	100.000%	\$53,393.8	\$0.0
Total Expense	\$993,208.9	\$4,558.5	\$997,767.4	100.000%	\$53,393.8	\$100.0

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Operation and Maintenance Expense Excluding A&G

	O&M Labor (\$000s)	O&M Non-L (\$000s)	Total O&M (\$000s)	Percent of Total O&M (%)	% O&M Excl Uncoll (%)	% O&M Excl Engy & Uncoll (%)
<u>Production</u>						
Production - Dmd	\$30,205.0	\$149,172.0	\$179,377.0	17.033%	17.056%	77.710%
Production - Engy	\$817.0	\$820,053.0	\$820,870.0	77.946%	78.052%	0.000%
Total Production	\$31,022.0	\$969,225.0	\$1,000,247.0	94.979%	95.108%	77.710%
<u>Transmission</u>	\$4,469.0	\$6,022.0	\$10,491.0	0.996%	0.998%	4.545%
<u>Distribution</u>						
Substations	\$2,355.6	\$2,890.4	\$5,245.9	0.498%	0.499%	2.273%
Pri Lines - Dmd	\$2,539.6	\$3,859.0	\$6,398.6	0.608%	0.608%	2.772%
Pri Lines - Cust	\$1,868.6	\$2,839.4	\$4,708.0	0.447%	0.448%	2.040%
Sec Lines - Dmd	\$1,040.8	\$1,581.7	\$2,622.5	0.249%	0.249%	1.136%
Sec Lines - Cust	\$821.4	\$1,248.2	\$2,069.6	0.197%	0.197%	0.897%
Subtotal Lines	\$6,270.4	\$9,528.3	\$15,798.7	1.501%	1.502%	6.845%
Transf - Dmd	\$285.3	\$325.2	\$610.5	0.058%	0.058%	0.264%
Transf - Cust	\$428.1	\$487.9	\$916.0	0.087%	0.087%	0.397%
Subtotal Transf	\$713.4	\$813.1	\$1,526.5	0.145%	0.145%	0.661%
Services	\$170.0	\$384.6	\$554.6	0.053%	0.053%	0.240%
Meters	\$1,152.7	\$422.0	\$1,574.7	0.150%	0.150%	0.682%
Street Lighting	\$21.6	\$0.0	\$21.6	0.002%	0.002%	0.009%
Total Distribution	\$10,683.6	\$14,038.4	\$24,722.0	2.349%	2.351%	10.710%
Customer Accts	\$6,665.0	\$5,355.0	\$12,020.0	1.141%	1.143%	5.207%
Uncollectibles	\$0.0	\$1,411.0	\$1,411.0	0.134%	0.000%	0.000%
Customer Service	\$2,504.0	\$1,716.0	\$4,220.0	0.401%	0.401%	1.828%
Total Excl Uncoll.	\$55,343.6	\$996,356.4	\$1,051,700.0	99.866%	100.00%	
Total Excl Uncoll & Engy	\$54,526.6	\$176,303.4	\$230,830.0	21.920%		100.00%
Total Expense	\$55,343.6	\$997,767.4	\$1,053,111.0	100.000%		

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized A& G Expenses And Wage Rollback Expenses In \$000s

	A&G Labor (\$000s)	A&G Non-L (\$000s)	Total A&G (\$000s)	Wage Rollback - L (\$000s)	Wage Rollback - NL (\$000s)	Total Wage Rollback (\$000s)
<u>Production</u>						
Production - Dmd	\$10,333.1	\$45,177.2	\$55,510.3	\$0.0	\$0.0	\$0.0
Production - Engy	\$279.5	\$0.0	\$279.5	\$0.0	\$0.0	\$0.0
Total Production	\$10,612.6	\$45,177.2	\$55,789.8	\$0.0	\$0.0	\$0.0
<u>Transmission</u>	\$1,528.8	\$1,823.9	\$3,352.7	\$0.0	\$0.0	\$0.0
<u>Distribution</u>						
Substations	\$805.8	\$875.1	\$1,680.9	\$0.0	\$0.0	\$0.0
Pri Lines - Dmd	\$868.8	\$1,168.8	\$2,037.6	\$0.0	\$0.0	\$0.0
Pri Lines - Cust	\$639.2	\$860.2	\$1,499.4	\$0.0	\$0.0	\$0.0
Sec Lines - Dmd	\$356.1	\$478.9	\$835.0	\$0.0	\$0.0	\$0.0
Sec Lines - Cust	\$281.0	\$378.0	\$659.0	\$0.0	\$0.0	\$0.0
Subtotal Lines	\$2,145.1	\$2,885.9	\$5,031.0	0.00%	\$0.0	\$0.0
Transf - Dmd	\$97.7	\$98.2	\$195.9	\$0.0	\$0.0	\$0.0
Transf - Cust	\$146.5	\$147.9	\$294.4	\$0.0	\$0.0	\$0.0
Subtotal Transf	\$244.2	\$246.1	\$490.3	\$0.0	\$0.0	\$0.0
Services	\$58.1	\$116.4	\$174.5	\$0.0	\$0.0	\$0.0
Meters	\$394.3	\$127.6	\$521.9	\$0.0	\$0.0	\$0.0
Street Lighting	\$7.4	\$0.0	\$7.4	\$0.0	\$0.0	\$0.0
Total Distribution	\$3,654.9	\$4,251.1	\$7,906.0	\$0.0	\$0.0	\$0.0
Customer Accts	\$2,280.1	\$1,621.6	\$3,901.7	\$0.0	\$0.0	\$0.0
Uncollectibles	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	\$856.5	\$520.0	\$1,376.5	\$0.0	\$0.0	\$0.0
Total Excl Uncoll.	\$18,932.9	\$53,393.8	\$72,326.7	\$0.0	\$0.0	\$0.0
Total Excl Uncoll & Enrgy	\$18,653.4	\$53,393.8	\$72,047.2	\$0.0	\$0.0	\$0.0
Total Expense	\$18,932.9	\$53,393.8	\$72,326.7	\$0.0	\$0.0	\$0.0

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Amortized Investment Tax Credit In \$000s

	<u>% Amort ITC Base</u>	<u>% O&M Excl Uncoll & Engy</u>	<u>Amort ITC (\$000s)</u>	<u>Gen. Plt AITC (\$000s)</u>	<u>Total Amort ITC (\$000s)</u>
<u>Production</u>					
Production - Dmd	29.262%	77.710%	-\$312.2	(\$63.0)	-\$375.2
Production - Engy	0.000%	0.000%	\$0.0	\$0.0	\$0.0
Total Production	29.262%	77.710%	-\$312.2	-\$63.0	-\$375.2
<u>Transmission</u>	16.009%	4.545%	-\$170.8	(\$3.7)	-\$174.5
<u>Distribution</u>					
Substations	5.288%	2.273%	-\$56.4	(\$1.8)	-\$58.2
Pri Lines - Dmd	9.015%	2.772%	-\$96.2	(\$2.2)	-\$98.4
Pri Lines - Cust	6.633%	2.040%	-\$70.8	(\$1.7)	-\$72.5
Sec Lines - Dmd	3.695%	1.136%	-\$39.4	(\$0.9)	-\$40.3
Sec Lines - Cust	2.916%	0.897%	-\$31.1	(\$0.7)	-\$31.8
Subtotal Lines	22.259%	6.845%	-\$237.5	-\$5.5	-\$243.0
Transf - Dmd	2.142%	0.264%	-\$22.9	(\$0.2)	-\$23.1
Transf - Cust	3.212%	0.397%	-\$34.3	(\$0.3)	-\$34.6
Subtotal Transf	5.354%	0.661%	-\$57.2	-\$0.5	-\$57.7
Services	12.920%	0.240%	-\$137.9	(\$0.2)	-\$138.1
Meters	1.307%	0.682%	-\$13.9	(\$0.6)	-\$14.5
Street Lighting	0.000%	0.009%	\$0.0	\$0.0	\$0.0
Total Distribution	47.128%	10.710%	(\$502.9)	(\$8.6)	(\$511.5)
Customer Accts	0%	5.207%	\$0.0	(\$4.2)	-\$4.2
Uncollectibles	0%	0.000%	\$0.0	\$0.0	\$0.0
Customer Service	0%	1.828%	\$0.0	(\$1.5)	-\$1.5
Total Excl Uncoll & Enrgy	92.399%	100.000%	-\$985.9	-\$81.0	-\$1,066.9
General Plant	7.601%		-\$81.1	-\$81.0	
Total Expense	100.00%	100%	-\$1,067.0	-\$81.0	-\$1,066.9

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Depreciation Accrual In \$000s

	<u>Depr Accrual (%)</u>	<u>% O&M Excl Uncoll & Engy</u>	<u>Gen. Plt Deprec (\$000s)</u>	<u>Depr Accrual (\$000s)</u>	<u>Depr Accrual (%)</u>
<u>Production</u>					
Production - Dmd	\$9,967.3	77.710%	\$10,297.8	\$20,265.1	23.015%
Production - Engy	\$0.0	0.000%	\$0.0	\$0.0	0.000%
Total Production	<u>\$9,967.3</u>	<u>77.710%</u>	<u>\$10,297.8</u>	<u>\$20,265.1</u>	<u>23.015%</u>
<u>Transmission</u>	\$17,442.7	4.545%	\$602.3	\$18,045.0	20.494%
<u>Distribution</u>					
Substations	\$4,446.5	2.273%	\$301.2	\$4,747.7	5.392%
Pri Lines - Dmd	\$10,477.0	2.772%	\$367.3	\$10,844.3	12.316%
Pri Lines - Cust	\$7,709.0	2.040%	\$270.3	\$7,979.3	9.062%
Sec Lines - Dmd	\$4,294.3	1.136%	\$150.5	\$4,444.8	5.048%
Sec Lines - Cust	<u>\$3,388.9</u>	<u>0.897%</u>	<u>\$118.9</u>	<u>\$3,507.8</u>	<u>3.984%</u>
Subtotal Lines	\$25,869.1	6.845%	\$907.0	\$26,776.1	30.410%
Transf - Dmd	\$3,078.2	0.264%	\$35.0	\$3,113.2	3.536%
Transf - Cust	<u>\$4,617.3</u>	<u>0.397%</u>	<u>\$52.6</u>	<u>\$4,669.9</u>	<u>5.304%</u>
Subtotal Transf	\$7,695.6	0.661%	\$87.6	\$7,783.2	8.840%
Services	\$8,567.3	0.240%	\$31.8	\$8,599.1	9.766%
Meters	\$810.1	0.682%	\$90.4	\$900.5	1.023%
Street Lighting	\$0.0	0.009%	\$1.2	\$1.2	0.001%
Total Distribution	<u>\$47,388.5</u>	<u>10.710%</u>	<u>\$1,419.2</u>	<u>\$48,807.7</u>	<u>55.432%</u>
Customer Accts	\$0.0	5.207%	\$690.0	\$690.0	0.784%
Uncollectibles	\$0.0	0.000%	\$0.0	\$0.0	0.000%
Customer Service	\$0.0	1.828%	\$242.2	\$242.2	0.275%
Total Excl Uncoll & Engy	<u>\$74,798.5</u>	<u>100%</u>	<u>\$13,251.5</u>	<u>\$88,050.0</u>	<u>100.00%</u>
General Plant	\$13,251.5				
Total Expense	<u><u>\$88,050.0</u></u>	<u><u>100%</u></u>	<u><u>\$13,251.5</u></u>	<u><u>\$88,050.0</u></u>	<u><u>100.000%</u></u>

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Rate Base Components

		Gross Plant (\$000s)	Accum Depr (\$000s)	Net Plant (\$000s)	Property Held (\$000s)	Mat. & Supp. (\$000s)	Working Cash (\$000s)	CIAC & CA (\$000s)	Def. Tax (\$000s)	Unamort ITC (\$000s)	Misc RB (\$000s)	Total Rate Base (\$000s)
<u>Production</u>												
Production - Dmd	D1	\$746,705.0	(\$399,565.0)	\$347,140.0	\$3,380.0	\$6,678.0	\$3,926.8	\$0.0	(\$45,892.8)	(\$8,859.9)	\$45,267.7	\$351,639.8
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$52,706.0	\$16,928.2	\$0.0	\$0.0	\$0.0	\$903.1	\$70,537.3
Total Production		\$746,705.0	(\$399,565.0)	\$347,140.0	\$3,380.0	\$59,384.0	\$20,855.0	\$0.0	(\$45,892.8)	(\$8,859.9)	\$46,170.8	\$422,177.1
<u>Transmission</u>												
	D1	\$599,688.5	(\$245,879.1)	\$353,809.4	\$0.0	\$2,073.0	\$491.2	(\$58,779.6)	(\$36,371.6)	(\$7,016.2)	\$17,174.4	\$271,380.6
<u>Distribution</u>												
Substations	D2	\$161,035.8	(\$60,003.4)	\$101,032.4	\$0.0	\$537.5	\$257.2	(\$13,924.3)	(\$9,566.4)	(\$1,846.6)	\$5,762.5	\$82,252.3
Primary Lines												
Demand	D2	\$260,601.4	(\$127,303.0)	\$133,298.4	\$0.0	\$921.9	\$281.5	(\$26,115.7)	(\$16,268.6)	(\$3,139.2)	\$8,263.9	\$97,242.2
Customer	C1	\$191,751.9	(\$93,670.1)	\$98,081.8	\$0.0	\$678.3	\$207.2	(\$19,216.7)	(\$11,970.5)	(\$2,309.7)	\$6,080.2	\$71,550.6
Subtotal Pri Lines		\$452,353.3	(\$220,973.1)	\$231,380.2	\$0.0	\$1,600.2	\$488.7	(\$45,332.4)	(\$28,239.1)	(\$5,448.9)	\$14,344.1	\$168,792.8
Secondary Lines												
Demand	D3	\$106,814.0	(\$52,178.4)	\$54,635.6	\$0.0	\$377.9	\$115.4	(\$10,704.0)	(\$6,668.1)	(\$1,286.8)	\$3,387.3	\$39,857.3
Customer	C2	\$84,294.1	(\$41,177.3)	\$43,116.8	\$0.0	\$298.2	\$90.9	(\$8,448.3)	(\$5,262.2)	(\$1,015.3)	\$2,672.9	\$31,453.0
Subtotal Sec Lines		\$191,108.1	(\$93,355.7)	\$97,752.4	\$0.0	\$676.1	\$206.3	(\$19,152.3)	(\$11,930.3)	(\$2,302.1)	\$6,060.2	\$71,310.3
Subtotal Lines		\$643,461.4	(\$314,328.8)	\$329,132.6	\$0.0	\$2,276.3	\$695.0	(\$64,484.7)	(\$40,169.4)	(\$7,751.0)	\$20,404.3	\$240,103.1
Line Transformers												
Demand	D3	\$49,898.8	(\$6,270.6)	\$43,628.2	\$0.0	\$178.5	\$31.1	(\$5,046.6)	(\$3,116.1)	(\$601.0)	\$1,373.8	\$36,447.9
Customer	C3	\$74,850.3	(\$9,406.8)	\$65,443.5	\$0.0	\$267.8	\$46.6	(\$7,569.9)	(\$4,674.3)	(\$901.6)	\$2,060.8	\$54,672.9
Subtotal Transf		\$124,749.1	(\$15,677.4)	\$109,071.7	\$0.0	\$446.3	\$77.7	(\$12,616.5)	(\$7,790.4)	(\$1,502.6)	\$3,434.6	\$91,120.8
Services	C4	\$203,301.7	(\$99,850.0)	\$103,451.7	\$0.0	\$733.7	\$19.6	(\$15,831.7)	(\$12,676.5)	(\$2,449.2)	\$4,541.4	\$77,789.0
Meters	C5	\$27,187.1	(\$12,188.6)	\$14,998.5	\$0.0	\$93.2	\$120.3	(\$2,735.7)	(\$1,696.9)	(\$327.5)	\$1,823.7	\$12,275.6
Street Lighting	C9	\$18.8	(\$8.0)	\$10.8	\$0.0	\$0.0	\$2.2	\$0.0	(\$1.2)	(\$0.2)	\$23.8	\$35.4
Total Distribution		\$1,159,753.9	(\$502,056.2)	\$657,697.7	\$0.0	\$4,087.0	\$1,172.0	(\$109,592.9)	(\$71,900.8)	(\$13,877.1)	\$35,990.3	\$503,576.2
Customer Accts	C6	\$10,868.3	(\$4,619.2)	\$6,249.1	\$0.0	\$0.0	\$712.1	\$0.0	(\$677.5)	(\$130.8)	\$7,340.8	\$13,493.7
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	(\$18.0)	\$0.0	\$0.0	\$0.0	\$0.0	(\$18.0)
Customer Service	C8	\$3,815.5	(\$1,622.5)	\$2,193.0	\$0.0	\$0.0	\$265.9	\$0.0	(\$237.8)	(\$45.9)	\$2,757.6	\$4,932.8
Totals		\$1,924,743.5	(\$891,199.5)	\$1,033,544.0	\$3,380.0	\$10,766.8	\$5,103.2	(\$114,570.2)	(\$117,883.6)	(\$22,749.7)	\$81,229.6	\$878,820.1
Demand		\$0.0	\$0.0	\$0.0	\$0.0	\$52,706.0	\$16,928.2	\$0.0	\$0.0	\$0.0	\$903.1	\$70,537.3
Energy		\$596,087.7	(\$262,542.5)	\$333,545.2	\$0.0	\$2,071.2	\$1,446.8	(\$53,802.3)	(\$37,196.9)	(\$7,180.2)	\$27,301.2	\$266,185.0
Customer		\$2,428,655.8	(\$1,153,742.0)	\$1,274,913.8	\$3,380.0	\$8,695.6	\$3,656.2	(\$168,372.5)	(\$155,080.5)	(\$29,929.9)	\$109,433.9	\$1,215,542.4
Total		\$2,520,831.2	(\$1,153,742.0)	\$1,367,089.2	\$3,380.0	\$65,544.0	\$23,478.2	(\$168,372.5)	(\$155,080.5)	(\$29,929.9)	\$109,433.9	\$1,215,542.4

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Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Simple Average Gross Plant Balance In \$000s

	Gross Plant Balance (\$000s)	% O&M Excl Uncoll & Engy	Gen. Plt Balance (\$000s)	Gross Plt (\$000s)	Gross Plt (%)
<u>Production</u>					
Production - Dmd	\$584,505.0	77.710%	\$162,200.0	\$746,705.0	29.621%
Production - Engy	\$0.0	0.000%	\$0.0	\$0.0	0.000%
Total Production	\$584,505.0	77.710%	\$162,200.0	\$746,705.0	29.621%
<u>Transmission</u>	\$590,202.0	4.545%	\$9,486.5	\$599,688.5	23.789%
<u>Distribution</u>					
Substations	\$156,291.5	2.273%	\$4,744.3	\$161,035.8	6.388%
Pri Lines - Dmd	\$254,815.5	2.772%	\$5,785.9	\$260,601.4	10.338%
Pri Lines - Cust	\$187,493.9	2.040%	\$4,258.0	\$191,751.9	7.607%
Sec Lines - Dmd	\$104,442.9	1.136%	\$2,371.1	\$106,814.0	4.237%
Sec Lines - Cust	\$82,421.8	0.897%	\$1,872.3	\$84,294.1	3.344%
Subtotal Lines	\$629,174.1	6.845%	\$14,287.3	\$643,461.4	25.526%
Transf - Dmd	\$49,347.8	0.264%	\$551.0	\$49,898.8	1.979%
Transf - Cust	\$74,021.7	0.397%	\$828.6	\$74,850.3	2.969%
Subtotal Transf	\$123,369.5	0.661%	\$1,379.6	\$124,749.1	4.948%
Services	\$202,800.8	0.240%	\$500.9	\$203,301.7	8.065%
Meters	\$25,763.0	0.682%	\$1,424.1	\$27,187.1	1.078%
Street Lighting	\$0.0	0.009%	\$18.8	\$18.8	0.001%
Total Distribution	\$1,137,398.9	10.710%	\$22,355.0	\$1,159,753.9	46.006%
Customer Accts	\$0.0	5.207%	\$10,868.3	\$10,868.3	0.431%
Uncollectibles	\$0.0	0.000%	\$0.0	\$0.0	0.000%
Customer Service	\$0.0	1.828%	\$3,815.5	\$3,815.5	0.151%
Total Excl Uncoll & Engy	\$2,312,105.9	100.00%	\$208,725.3	\$2,520,831.2	100.00%
General Plant	\$208,724.8				
Total Expense	\$2,520,830.7	100%	\$208,725.3	\$2,520,831.2	99.998%

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Depreciation Balance In \$000s

	<u>Depr Bal (\$000s)</u>	<u>% O&M Excl Uncoll & Engy</u>	<u>Gen. Plt Depr (\$000s)</u>	<u>Depr Bal (\$000s)</u>
<u>Production</u>				
Production - Dmd	\$330,627.6	77.710%	\$68,937.4	\$399,565.0
Production - Engy	\$0.0	0.000%	\$0.0	\$0.0
Total Production	<u>\$330,627.6</u>	<u>77.710%</u>	<u>\$68,937.4</u>	<u>\$399,565.0</u>
<u>Transmission</u>	\$241,847.2	4.545%	\$4,031.9	\$245,879.1
<u>Distribution</u>				
Substations	\$57,987.0	2.273%	\$2,016.4	\$60,003.4
Pri Lines - Dmd	\$124,843.9	2.772%	\$2,459.1	\$127,303.0
Pri Lines - Cust	\$91,860.4	2.040%	\$1,809.7	\$93,670.1
Sec Lines - Dmd	\$51,170.6	1.136%	\$1,007.8	\$52,178.4
Sec Lines - Cust	<u>\$40,381.6</u>	<u>0.897%</u>	<u>\$795.7</u>	<u>\$41,177.3</u>
Subtotal Lines	<u>\$308,256.5</u>	<u>6.845%</u>	<u>\$6,072.3</u>	<u>\$314,328.8</u>
Transf - Dmd	\$6,036.4	0.264%	\$234.2	\$6,270.6
Transf - Cust	<u>\$9,054.6</u>	<u>0.397%</u>	<u>\$352.2</u>	<u>\$9,406.8</u>
Subtotal Transf	<u>\$15,091.0</u>	<u>0.661%</u>	<u>\$586.4</u>	<u>\$15,677.4</u>
Services	\$99,637.1	0.240%	\$212.9	\$99,850.0
Meters	\$11,583.6	0.682%	\$605.0	\$12,188.6
Street Lighting	\$0.0	0.009%	\$8.0	\$8.0
Total Distribution	<u>\$492,555.2</u>	<u>10.710%</u>	<u>\$9,501.0</u>	<u>\$502,056.2</u>
Customer Accts	\$0.0	5.207%	\$4,619.2	\$4,619.2
Uncollectibles	\$0.0	0.000%	\$0.0	\$0.0
Customer Service	\$0.0	1.829%	\$1,622.5	\$1,622.5
Total Excl Uncoll & Engy	<u>\$1,065,030.0</u>	<u>100.001%</u>	<u>\$88,712.0</u>	<u>\$1,153,742.0</u>
General Plant	\$88,711.1			
Total Expense	<u>\$1,153,741.1</u>	<u>100%</u>	<u>\$88,712.0</u>	<u>\$1,153,742.0</u>

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Materials & Supplies In \$000s

	Mat. & Supp & Fuel Invt (\$000s)	% O&M Excl Uncoll & Engy	Office Supplies (\$000s)	Mat. & Supp & Fuel Invt (\$000s)
<u>Production</u>				
Production - Dmd	\$6,678.0	77.710%	\$0.0	\$6,678.0
Production - Engy	\$52,706.0	0.000%	\$0.0	\$52,706.0
Total Production	\$59,384.0	77.710%	\$0.0	\$59,384.0
<u>Transmission</u>	\$2,073.0	4.545%	\$0.0	\$2,073.0
<u>Distribution</u>				
Substations	\$537.5	2.273%	\$0.0	\$537.5
Pri Lines - Dmd	\$921.9	2.772%	\$0.0	\$921.9
Pri Lines - Cust	\$678.3	2.040%	\$0.0	\$678.3
Sec Lines - Dmd	\$377.9	1.136%	\$0.0	\$377.9
Sec Lines - Cust	\$298.2	0.897%	\$0.0	\$298.2
Subtotal Lines	\$2,276.3	6.845%	\$0.0	\$2,276.3
Transf - Dmd	\$178.5	0.264%	\$0.0	\$178.5
Transf - Cust	\$267.8	0.397%	\$0.0	\$267.8
Subtotal Transf	\$446.3	0.661%	\$0.0	\$446.3
Services	\$733.7	0.240%	\$0.0	\$733.7
Meters	\$93.2	0.682%	\$0.0	\$93.2
Street Lighting	\$0.0	0.009%	\$0.0	\$0.0
Total Distribution	\$4,087.0	10.710%	\$0.0	\$4,087.0
Customer Accts	\$0.0	5.207%	\$0.0	\$0.0
Uncollectibles	\$0.0	0.000%	\$0.0	\$0.0
Customer Service	\$0.0	1.828%	\$0.0	\$0.0
Total Excl Uncoll & Enrgy	\$12,838.0	100%	\$0.0	\$12,838.0
General Plant	\$0.0			
Total Expense	\$65,544.0	100%	\$0.0	\$65,544.0

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Deferred Income Tax In \$000s

	% Def. Income Tax Base (%)	% O&M Excl Uncoll & Engy	Deferred Income Tax (\$000s)	Gen. Plt. DIT (\$000s)	Total DIT (\$000s)	DIT (%)
<u>Production</u>						
Production - Dmd	23.073%	77.710%	\$35,781.7	\$10,111.1	\$45,892.8	29.593%
Production - Engy	0.000%	0.000%	\$0.0	\$0.0	\$0.0	0.000%
Total Production	23.073%	77.710%	\$35,781.7	\$10,111.1	\$45,892.8	29.593%
<u>Transmission</u>	23.072%	4.545%	\$35,780.2	\$591.4	\$36,371.6	23.453%
<u>Distribution</u>						
Substations	5.978%	2.273%	\$9,270.7	\$295.7	\$9,566.4	6.169%
Pri Lines - Dmd	10.258%	2.772%	\$15,907.9	\$360.7	\$16,268.6	10.490%
Pri Lines - Cust	7.548%	2.040%	\$11,705.1	\$265.4	\$11,970.5	7.719%
Sec Lines - Dmd	4.204%	1.136%	\$6,520.3	\$147.8	\$6,668.1	4.300%
Sec Lines - Cust	3.318%	0.897%	\$5,145.5	\$116.7	\$5,262.2	3.393%
Subtotal Lines	25.328%	6.845%	\$39,278.8	\$890.6	\$40,169.4	25.902%
Transf - Dmd	1.987%	0.264%	\$3,081.8	\$34.3	\$3,116.1	2.009%
Transf - Cust	2.981%	0.397%	\$4,622.6	\$51.7	\$4,674.3	3.014%
Subtotal Transf	4.968%	0.661%	\$7,704.4	\$86.0	\$7,790.4	5.023%
Services	8.154%	0.240%	\$12,645.3	\$31.2	\$12,676.5	8.174%
Meters	1.037%	0.682%	\$1,608.2	\$88.7	\$1,696.9	1.094%
Street Lighting	0.000%	0.009%	\$0.0	\$1.2	\$1.2	0.001%
Total Distribution	45.465%	10.710%	\$70,507.4	\$1,393.4	\$71,900.8	46.363%
Customer Accts	0.000%	5.207%	\$0.0	\$677.5	\$677.5	0.437%
Uncollectibles	0.000%	0.000%	\$0.0	\$0.0	\$0.0	0.000%
Customer Service	0.000%	1.828%	\$0.0	\$237.8	\$237.8	0.153%
Total Excl Uncoll & Engy	91.610%	100.000%	\$142,069.3	\$13,011.2	\$155,080.5	99.999%
General Plant	8.390%		\$13,011.3			
Total Expense	100.000%	100.000%	\$155,080.6	\$13,011.2	\$155,080.5	99.999%

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization Bases For Working Cash Components (%)

	% O&M Labor Excl Uncoll & Engy	% O&M Non-L Excl Uncoll & Engy	% Total O&M	% Depr. Accrual	% Gross Plt	% Def. Income Tax
<u>Production</u>						
Production - Dmd	54.577%	84.611%	17.033%	23.015%	29.621%	29.593%
Production - Engy	1.476%	0.000%	77.946%	0.000%	0.000%	0.000%
Total Production	56.053%	84.611%	94.979%	23.015%	29.621%	29.593%
<u>Transmission</u>	8.075%	3.416%	0.996%	20.494%	23.789%	23.453%
<u>Distribution</u>						
Substations	4.256%	1.639%	0.498%	5.392%	6.388%	6.169%
Pri Lines - Dmd	4.589%	2.189%	0.608%	12.316%	10.338%	10.490%
Pri Lines - Cust	3.376%	1.611%	0.447%	9.062%	7.607%	7.719%
Sec Lines - Dmd	1.881%	0.897%	0.249%	5.048%	4.237%	4.300%
Sec Lines - Cust	1.484%	0.708%	0.197%	3.984%	3.344%	3.393%
Subtotal Lines	11.330%	5.405%	1.501%	30.410%	25.526%	25.902%
Transf - Dmd	0.516%	0.184%	0.058%	3.536%	1.979%	2.009%
Transf - Cust	0.774%	0.277%	0.087%	5.304%	2.969%	3.014%
Subtotal Transf	1.290%	0.461%	0.145%	8.840%	4.948%	5.023%
Services	0.307%	0.218%	0.053%	9.766%	8.065%	8.174%
Meters	2.083%	0.239%	0.150%	1.023%	1.078%	1.094%
Street Lighting	0.039%	0.000%	0.002%	0.001%	0.001%	0.001%
Total Distribution	19.305%	7.962%	2.349%	55.432%	46.006%	46.363%
Customer Accts	12.043%	3.037%	1.141%	0.784%	0.431%	0.437%
Uncollectibles	0.000%	0.000%	0.134%	0.000%	0.000%	0.000%
Customer Service	4.524%	0.974%	0.401%	0.275%	0.151%	0.153%
Total Excl Uncoll & Enrgy	98.524%	100.000%	21.920%	100.000%	99.998%	99.999%
Total Expense	100.000%	100.000%	100.000%	100.000%	99.998%	99.999%

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Working Cash Balance In \$000s

	Fuel & PP (\$000s)	O&M Labor (\$000s)	O&M NL (\$000s)	Deprec. (\$000s)	Rev. Plus Inc. Taxes (\$000s)	Return (\$000s)	Def. Taxes (\$000s)	Oper. Cash (\$000s)	Total WC (\$000s)
<u>Production</u>									
Production - Dmd		\$3,476.6	\$2,737.2	\$0.0	(\$2,287.0)	\$0.0	\$0.0	\$0.0	\$3,926.8
Production - Engy	\$27,300.0	\$94.0	\$0.0	\$0.0	(\$10,465.8)	\$0.0	\$0.0	\$0.0	\$16,928.2
Total Production	\$27,300.0	\$3,570.6	\$2,737.2	\$0.0	(\$12,752.8)	\$0.0	\$0.0	\$0.0	\$20,855.0
<u>Transmission</u>		\$514.4	\$110.5	\$0.0	(\$133.7)	\$0.0	\$0.0	\$0.0	\$491.2
<u>Distribution</u>									
Substations		\$271.1	\$53.0	\$0.0	(\$66.9)	\$0.0	\$0.0	\$0.0	\$257.2
Pri Lines - Dmd		\$292.3	\$70.8	\$0.0	(\$81.6)	\$0.0	\$0.0	\$0.0	\$281.5
Pri Lines - Cust		\$215.1	\$52.1	\$0.0	(\$60.0)	\$0.0	\$0.0	\$0.0	\$207.2
Sec Lines - Dmd		\$119.8	\$29.0	\$0.0	(\$33.4)	\$0.0	\$0.0	\$0.0	\$115.4
Sec Lines - Cust		\$94.5	\$22.9	\$0.0	(\$26.5)	\$0.0	\$0.0	\$0.0	\$90.9
Subtotal Lines	\$0.0	\$721.7	\$174.8	\$0.0	(\$201.5)	\$0.0	\$0.0	\$0.0	\$695.0
Transf - Dmd		\$32.9	\$6.0	\$0.0	(\$7.8)	\$0.0	\$0.0	\$0.0	\$31.1
Transf - Cust		\$49.3	\$9.0	\$0.0	(\$11.7)	\$0.0	\$0.0	\$0.0	\$46.6
Subtotal Transf	\$0.0	\$82.2	\$15.0	\$0.0	(\$19.5)	\$0.0	\$0.0	\$0.0	\$77.7
Services		\$19.6	\$7.1	\$0.0	(\$7.1)	\$0.0	\$0.0	\$0.0	\$19.6
Meters		\$132.7	\$7.7	\$0.0	(\$20.1)	\$0.0	\$0.0	\$0.0	\$120.3
Street Lighting		\$2.5	\$0.0	\$0.0	(\$0.3)	\$0.0	\$0.0	\$0.0	\$2.2
Total Distribution	\$0.0	\$1,229.8	\$257.6	\$0.0	(\$315.4)	\$0.0	\$0.0	\$0.0	\$1,172.0
Customer Accts		\$767.1	\$98.2	\$0.0	(\$153.2)	\$0.0	\$0.0	\$0.0	\$712.1
Uncollectibles		\$0.0	\$0.0	\$0.0	(\$18.0)	\$0.0	\$0.0	\$0.0	(\$18.0)
Customer Service		\$288.2	\$31.5	\$0.0	(\$53.8)	\$0.0	\$0.0	\$0.0	\$265.9
Total Excl. Uncoll & Engy	\$0.0	\$6,276.1	\$3,235.0	\$0.0	(\$2,943.1)	\$0.0	\$0.0	\$0.0	\$6,568.0
Total Expense	\$27,300.0	\$6,370.1	\$3,235.0	\$0.0	(\$13,426.9)	\$0.0	\$0.0	\$0.0	\$23,478.2

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 27 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Customer Contribution And Advances In \$000s

	% CIAC Base (%)	%CA Base (%)	CIAC Begin Bal (\$000s)	CIAC Receipts (\$000s)	Transfers Fr Advances (\$000s)	Amort CIAC (\$000s)	CIAC End Bal (\$000s)	Customer Advances (\$000s)	Total Bal CIAC/CA (\$000s)
<u>Production</u>									
Production - Dmd	0.000%	0.000%	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Production - Engy	0.000%	0.000%	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production	0.000%	0.000%	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<u>Transmission</u>	35.082%	0.000%	\$58,450.8	\$3,564.0	\$99.3	\$3,005.8	\$59,108.3	\$0.0	\$58,779.6
<u>Distribution</u>									
Substations	8.310%	0.000%	\$13,845.5	\$844.2	\$23.5	\$712.0	\$14,001.3	\$0.0	\$13,924.3
Pri Lines - Dmd	15.398%	38.500%	\$25,654.9	\$1,564.3	\$43.6	\$1,319.3	\$25,943.5	\$316.5	\$26,115.7
Pri Lines - Cust	11.330%	28.400%	\$18,877.1	\$1,151.0	\$32.1	\$970.8	\$19,089.4	\$233.4	\$19,216.7
Sec Lines - Dmd	6.311%	15.800%	\$10,514.9	\$641.1	\$17.9	\$540.7	\$10,633.2	\$129.9	\$10,704.0
Sec Lines - Cust	4.981%	12.470%	\$8,298.9	\$506.0	\$14.1	\$426.8	\$8,392.2	\$102.7	\$8,448.3
Subtotal Lines	38.020%	95.170%	\$63,345.8	\$3,862.4	\$107.7	\$3,257.6	\$64,058.3	\$782.5	\$64,484.7
Transf - Dmd	3.012%	0.000%	\$5,018.4	\$306.0	\$8.5	\$258.1	\$5,074.8	\$0.0	\$5,046.6
Transf - Cust	4.518%	0.000%	\$7,527.5	\$459.0	\$12.8	\$387.1	\$7,612.2	\$0.0	\$7,569.9
Subtotal Transf	7.530%	0.000%	\$12,545.9	\$765.0	\$21.3	\$645.2	\$12,687.0	\$0.0	\$12,616.5
Services	9.449%	0.000%	\$15,743.2	\$959.9	\$26.7	\$809.6	\$15,920.2	\$0.0	\$15,831.7
Meters	1.609%	4.841%	\$2,680.8	\$163.5	\$4.6	\$137.9	\$2,711.0	\$39.8	\$2,735.7
Street Lighting	0.000%	0.000%	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Distribution	64.918%	100.011%	\$108,161.2	\$6,595.0	\$183.8	\$5,562.3	\$109,377.8	\$822.3	\$109,592.9
Customer Accts	0.000%	0.000%	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Uncollectibles	0.000%	0.000%	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	0.000%	0.000%	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Excl Energy & Uncol	100.000%	100.011%	\$166,612.0	\$10,159.0	\$283.1	\$8,568.1	\$168,486.1	\$822.3	\$168,372.5
Total Cost	100.000%	100.011%	\$166,612.0	\$10,159.0	\$283.1	\$8,568.1	\$168,486.1	\$822.3	\$168,372.5

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Unamortized Investment Tax Credit In \$000s

	% Unamort ITC Base (%)	% O&M Excl Uncoll & Engy (%)	Unamort ITC (\$000s)	Gen. Plt ITC (\$000s)	Total Unamort ITC (\$000s)
<u>Production</u>					
Production - Dmd	23.081%	77.710%	\$6,908.1	\$1,951.8	\$8,859.9
Production - Engy	0.000%	0.000%	\$0.0	\$0.0	\$0.0
Total Production	23.081%	77.710%	\$6,908.1	\$1,951.8	\$8,859.9
<u>Transmission</u>	23.060%	4.545%	\$6,902.0	\$114.2	\$7,016.2
<u>Distribution</u>					
Substations	5.979%	2.273%	\$1,789.5	\$57.1	\$1,846.6
Pri Lines - Dmd	10.256%	2.772%	\$3,069.6	\$69.6	\$3,139.2
Pri Lines - Cust	7.546%	2.040%	\$2,258.5	\$51.2	\$2,309.7
Sec Lines - Dmd	4.204%	1.136%	\$1,258.3	\$28.5	\$1,286.8
Sec Lines - Cust	3.317%	0.897%	\$992.8	\$22.5	\$1,015.3
Subtotal Lines	25.323%	6.845%	\$7,579.2	\$171.8	\$7,751.0
Transf - Dmd	1.986%	0.264%	\$594.4	\$6.6	\$601.0
Transf - Cust	2.979%	0.397%	\$891.6	\$10.0	\$901.6
Subtotal Transf	4.965%	0.661%	\$1,486.0	\$16.6	\$1,502.6
Services	8.163%	0.240%	\$2,443.2	\$6.0	\$2,449.2
Meters	1.037%	0.682%	\$310.4	\$17.1	\$327.5
Street Lighting	0.000%	0.009%	\$0.0	\$0.2	\$0.2
Total Distribution	45.467%	10.710%	\$13,608.3	\$268.8	\$13,877.1
Customer Accts	0.000%	5.207%	\$0.0	\$130.8	\$130.8
Uncollectibles	0.000%	0.000%	\$0.0	\$0.0	\$0.0
Customer Service	0.000%	1.828%	\$0.0	\$45.9	\$45.9
Total Excl Energy & Uncol	91.608%	100.000%	\$27,418.4	\$2,511.5	\$29,929.9
General Plant	8.392%		\$2,511.7		
Total Cost	100.000%	100.000%	\$29,930.1	\$2,511.5	\$29,929.9

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalized Miscellaneous Rate Base Items In \$000s

	% Gross Plt (%)	Customer Deposits (\$000s)	O&M-L Excl Uncoll & Engy (%)	OPEB & Prepaid Pension Assets (\$000s)	Misc RB (\$000s)	Total Misc RB Items (\$000s)
<u>Production</u>						
Production - Dmd	29.621%	\$1,888.9	54.577%	\$33,391.8	\$13,764.8	\$45,267.7
Production - Engy	0.000%	\$0.0	1.476%	\$903.1	\$0.0	\$903.1
Total Production	29.621%	\$1,888.9	56.053%	\$34,294.9	\$13,764.8	\$46,170.8
<u>Transmission</u>	23.789%	\$1,517.0	8.075%	\$4,940.5	\$13,750.9	\$17,174.4
<u>Distribution</u>						
Substations	6.388%	\$407.4	4.256%	\$2,603.9	\$3,566.0	\$5,762.5
Pri Lines - Dmd	10.338%	\$659.3	4.589%	\$2,807.7	\$6,115.5	\$8,263.9
Pri Lines - Cust	7.607%	\$485.1	3.376%	\$2,065.5	\$4,499.8	\$6,080.2
Sec Lines - Dmd	4.237%	\$270.2	1.881%	\$1,150.9	\$2,506.6	\$3,387.3
Sec Lines - Cust	3.344%	\$213.2	1.484%	\$908.0	\$1,978.1	\$2,672.9
Subtotal Lines	25.526%	\$1,627.8	11.330%	\$6,932.1	\$15,100.0	\$20,404.3
Transf - Dmd	1.979%	\$126.2	0.516%	\$315.7	\$1,184.3	\$1,373.8
Transf - Cust	2.969%	\$189.3	0.774%	\$473.6	\$1,776.5	\$2,060.8
Subtotal Transf	4.948%	\$315.5	1.290%	\$789.3	\$2,960.8	\$3,434.6
Services	8.065%	\$514.3	0.307%	\$187.8	\$4,867.9	\$4,541.4
Meters	1.078%	\$68.7	2.083%	\$1,274.4	\$618.0	\$1,823.7
Street Lighting	0.001%	\$0.1	0.039%	\$23.9	\$0.0	\$23.8
Total Distribution	46.006%	\$2,933.8	19.305%	\$11,811.4	\$27,112.7	\$35,990.3
Customer Accts	0.431%	\$27.5	12.043%	\$7,368.3	\$0.0	\$7,340.8
Uncollectibles	0.000%	\$0.0	0.000%	\$0.0	\$0.0	\$0.0
Customer Service	0.151%	\$9.6	4.523%	\$2,767.3	\$0.0	\$2,757.6
Total Excl Uncoll & Engy	99.998%	\$6,376.8	98.523%	\$60,279.3	\$54,628.4	\$108,530.8
Total Cost	99.998%	\$6,376.8	99.999%	\$61,182.4	\$54,628.4	\$109,433.9

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Total Operation And Maintenance Expenses In \$000s

			Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule PT		Schedule PD		Schedule PS		Schedule F	Total
			Residential Service (\$000s)	Gen Service Non-Dmd (\$000s)	Gen Service Demand (\$000s)	Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
<u>Production</u>														
Production - Dmd	D1	\$77,677.4	\$13,096.6	\$62,513.2	\$1,305.2	\$4,155.7	\$0.0	\$51,268.6	\$545.9	\$18,332.5	\$4,143.9	\$1,848.2	\$234,887.2	
Production - Engy	E1	\$227,827.9	\$39,784.7	\$220,979.6	\$4,335.7	\$18,328.0	\$0.0	\$214,541.7	\$2,291.0	\$72,630.7	\$16,439.5	\$3,990.8	\$821,149.6	
Total Production		\$305,505.3	\$52,881.3	\$283,492.8	\$5,640.9	\$22,483.7	\$0.0	\$265,810.3	\$2,836.9	\$90,963.2	\$20,583.4	\$5,839.0	\$1,056,036.8	
<u>Transmission</u>														
	D1	\$4,578.1	\$771.9	\$3,684.4	\$76.9	\$244.9	\$0.0	\$3,021.6	\$32.2	\$1,080.5	\$244.1	\$109.1	\$13,843.7	
<u>Distribution</u>														
Substations	D2	\$2,410.2	\$403.8	\$1,870.3	\$39.5	\$0.0	\$0.0	\$1,472.6	\$15.6	\$534.1	\$120.8	\$59.8	\$6,926.7	
Primary Lines														
Demand	D2	\$2,935.3	\$491.9	\$2,277.9	\$48.1	\$0.0	\$0.0	\$1,793.5	\$19.0	\$650.5	\$147.1	\$73.0	\$8,436.3	
Customer	C1	\$5,206.2	\$715.7	\$245.5	\$25.3	\$0.0	\$0.0	\$1.9	\$0.2	\$3.7	\$0.3	\$8.8	\$6,207.6	
Subtotal Pri Lines		\$8,141.5	\$1,207.6	\$2,523.4	\$73.4	\$0.0	\$0.0	\$1,795.4	\$19.2	\$654.2	\$147.4	\$81.8	\$14,643.9	
Secondary Lines														
Demand	D3	\$1,746.4	\$241.5	\$877.6	\$21.0	\$0.0	\$0.0	\$242.5	\$2.6	\$262.1	\$59.2	\$4.5	\$3,457.4	
Customer	C2	\$2,376.2	\$267.7	\$74.3	\$8.3	\$0.0	\$0.0	\$0.0	\$0.0	\$1.1	\$0.1	\$0.9	\$2,728.6	
Subtotal Sec Lines		\$4,122.6	\$509.2	\$951.9	\$29.3	\$0.0	\$0.0	\$242.5	\$2.6	\$263.2	\$59.3	\$5.4	\$6,186.0	
Subtotal Lines		\$12,264.1	\$1,716.8	\$3,475.3	\$102.7	\$0.0	\$0.0	\$2,037.9	\$21.8	\$917.4	\$206.7	\$87.2	\$20,829.9	
Line Transformers														
Demand	D3	\$407.3	\$56.3	\$204.6	\$4.9	\$0.0	\$0.0	\$56.5	\$0.5	\$61.2	\$13.9	\$1.2	\$806.4	
Customer	C3	\$399.7	\$495.7	\$270.0	\$23.1	\$0.0	\$0.0	\$0.0	\$0.0	\$18.1	\$1.7	\$2.0	\$1,210.3	
Subtotal Transf		\$807.0	\$552.0	\$474.6	\$28.0	\$0.0	\$0.0	\$56.5	\$0.5	\$79.3	\$15.6	\$3.2	\$2,016.7	
Services	C4	\$613.8	\$65.5	\$43.6	\$2.0	\$0.4	\$0.0	\$1.3	\$0.0	\$0.9	\$0.0	\$1.6	\$729.1	
Meters	C5	\$1,319.7	\$201.2	\$501.1	\$7.5	\$6.8	\$0.0	\$38.6	\$2.0	\$10.7	\$0.9	\$8.1	\$2,096.6	
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$29.0	\$29.0	
Total Distribution		\$17,414.8	\$2,939.3	\$6,364.9	\$179.7	\$7.2	\$0.0	\$3,606.9	\$39.9	\$1,542.4	\$344.0	\$188.9	\$32,628.0	
Customer Accts	C6	\$13,552.4	\$1,714.7	\$550.1	\$49.0	\$0.3	\$0.0	\$12.7	\$0.7	\$13.9	\$1.2	\$26.5	\$15,921.5	
Uncollectibles	C7	\$935.6	\$128.1	\$200.1	\$13.0	\$0.0	\$0.0	\$46.1	\$0.0	\$86.2	\$0.0	\$1.8	\$1,410.9	
Customer Service	C8	\$3,129.0	\$59.3	\$931.4	\$2.9	\$2.3	\$0.0	\$964.0	\$0.0	\$507.1	\$0.0	\$0.7	\$5,596.7	
Totals														
Demand		\$89,754.7	\$15,062.0	\$71,428.0	\$1,495.6	\$4,400.6	\$0.0	\$57,855.3	\$615.8	\$20,920.9	\$4,729.0	\$2,095.8	\$268,357.7	
Energy		\$227,827.9	\$39,784.7	\$220,979.6	\$4,335.7	\$18,328.0	\$0.0	\$214,541.7	\$2,291.0	\$72,630.7	\$16,439.5	\$3,990.8	\$821,149.6	
Customer		\$27,532.6	\$3,647.9	\$2,816.1	\$131.1	\$9.8	\$0.0	\$1,064.6	\$2.9	\$641.7	\$4.2	\$79.4	\$35,930.3	
Total		\$345,115.2	\$58,494.6	\$295,223.7	\$5,962.4	\$22,738.4	\$0.0	\$273,461.6	\$2,909.7	\$94,193.3	\$21,172.7	\$6,166.0	\$1,125,437.6	
Percent of Total		30.665%	5.197%	26.232%	0.530%	2.020%	0.000%	24.298%	0.259%	8.369%	1.881%	0.547%	99.998%	

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 30 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Operation And Maintenance Labor Expenses In \$000s

			Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT		Schedule PP		Schedule PS		Schedule F Street Lighting (\$000s)	Total System (\$000s)
							P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
Production														
Production - Dmd	D1	\$9,988.8	\$1,684.1	\$8,038.8	\$167.8	\$534.4	\$0.0	\$6,592.8	\$70.2	\$2,357.4	\$532.9	\$237.7	\$30,204.9	
Production - Engy	E1	\$226.7	\$39.6	\$219.9	\$4.3	\$18.2	\$0.0	\$213.5	\$2.3	\$72.3	\$16.4	\$4.0	\$817.2	
Total Production		\$10,215.5	\$1,723.7	\$8,258.7	\$172.1	\$552.6	\$0.0	\$6,806.3	\$72.5	\$2,429.7	\$549.3	\$241.7	\$31,022.1	
Transmission														
	D1	\$1,477.9	\$249.2	\$1,189.4	\$24.8	\$79.1	\$0.0	\$975.4	\$10.4	\$348.8	\$78.8	\$35.2	\$4,469.0	
Distribution														
Substations	D2	\$819.6	\$137.3	\$636.0	\$13.4	\$0.0	\$0.0	\$500.8	\$5.3	\$181.6	\$41.1	\$20.4	\$2,355.5	
Primary Lines														
Demand	D2	\$883.6	\$148.1	\$685.7	\$14.5	\$0.0	\$0.0	\$539.9	\$5.7	\$195.8	\$44.3	\$22.0	\$2,539.6	
Customer	C1	\$1,567.2	\$215.4	\$73.9	\$7.6	\$0.0	\$0.0	\$0.6	\$0.1	\$1.1	\$0.1	\$2.6	\$1,868.6	
Subtotal Pri Lines		\$2,450.8	\$363.5	\$759.6	\$22.1	\$0.0	\$0.0	\$540.5	\$5.8	\$196.9	\$44.4	\$24.6	\$4,408.2	
Secondary Lines														
Demand	D3	\$525.7	\$72.7	\$264.1	\$6.3	\$0.0	\$0.0	\$73.0	\$0.8	\$78.9	\$17.8	\$1.4	\$1,040.7	
Customer	C2	\$715.3	\$80.5	\$22.4	\$2.5	\$0.0	\$0.0	\$0.0	\$0.0	\$0.3	\$0.0	\$0.3	\$821.3	
Subtotal Sec Lines		\$1,241.0	\$153.2	\$286.5	\$8.8	\$0.0	\$0.0	\$73.0	\$0.8	\$79.2	\$17.8	\$1.7	\$1,862.0	
Subtotal Lines		\$3,691.8	\$516.7	\$1,046.1	\$30.9	\$0.0	\$0.0	\$613.5	\$6.6	\$276.1	\$62.2	\$26.3	\$6,270.2	
Line Transformers														
Demand	D3	\$144.1	\$19.9	\$72.4	\$1.7	\$0.0	\$0.0	\$20.0	\$0.2	\$21.6	\$4.9	\$0.4	\$285.2	
Customer	C3	\$141.4	\$175.3	\$95.5	\$8.2	\$0.0	\$0.0	\$0.0	\$0.0	\$6.4	\$0.6	\$0.7	\$428.1	
Subtotal Transf		\$285.5	\$195.2	\$167.9	\$9.9	\$0.0	\$0.0	\$20.0	\$0.2	\$28.0	\$5.5	\$1.1	\$713.3	
Services	C4	\$143.1	\$15.3	\$10.2	\$0.5	\$0.1	\$0.0	\$0.3	\$0.0	\$0.2	\$0.0	\$0.4	\$170.1	
Meters	C5	\$725.6	\$110.6	\$275.5	\$4.1	\$3.7	\$0.0	\$21.2	\$1.1	\$5.9	\$0.5	\$4.5	\$1,152.7	
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$21.6	\$21.6	
Total Distribution		\$5,665.6	\$975.1	\$2,135.7	\$58.8	\$3.8	\$0.0	\$1,155.8	\$13.2	\$491.8	\$109.3	\$74.3	\$10,683.4	
Customer Accts	C6	\$5,673.2	\$717.8	\$230.3	\$20.5	\$0.1	\$0.0	\$5.3	\$0.3	\$5.8	\$0.5	\$11.1	\$6,664.9	
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	
Customer Service	C8	\$1,400.0	\$26.5	\$416.7	\$1.3	\$1.0	\$0.0	\$431.3	\$0.0	\$226.9	\$0.0	\$0.3	\$2,504.0	
Totals														
Demand		\$13,839.7	\$2,311.3	\$10,886.4	\$228.5	\$613.5	\$0.0	\$8,701.9	\$92.6	\$3,184.1	\$719.8	\$317.1	\$40,894.9	
Energy		\$226.7	\$39.6	\$219.9	\$4.3	\$18.2	\$0.0	\$213.5	\$2.3	\$72.3	\$16.4	\$4.0	\$817.2	
Customer		\$10,365.8	\$1,341.4	\$1,124.5	\$44.7	\$4.9	\$0.0	\$458.7	\$1.5	\$246.6	\$1.7	\$41.5	\$13,631.3	
Total		\$24,432.2	\$3,692.3	\$12,230.8	\$277.5	\$636.6	\$0.0	\$9,374.1	\$96.4	\$3,503.0	\$737.9	\$362.6	\$55,343.4	
Percent of Total														
		44.147%	6.672%	22.100%	0.501%	1.150%	0.000%	16.938%	0.174%	6.330%	1.333%	0.655%	100.000%	

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 31 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Operation And Maintenance Non-Labor Expenses In \$000s

		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT		Schedule PP		Schedule PS		Schedule F Street Lighting (\$000s)	Total System (\$000s)
						P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
<u>Production</u>													
Production - Dmd	D1	\$49,331.3	\$8,317.4	\$39,700.8	\$828.9	\$2,639.2	\$0.0	\$32,559.6	\$346.7	\$11,642.6	\$2,631.7	\$1,173.7	\$149,171.9
Production - Engy	E1	\$227,523.7	\$39,731.6	\$220,684.5	\$4,329.9	\$18,303.6	\$0.0	\$214,255.2	\$2,287.9	\$72,533.7	\$16,417.5	\$3,985.4	\$820,053.0
Total Production		\$276,855.0	\$48,049.0	\$260,385.3	\$5,158.8	\$20,942.8	\$0.0	\$246,814.8	\$2,634.6	\$84,176.3	\$19,049.2	\$5,159.1	\$969,224.9
<u>Transmission</u>													
	D1	\$1,991.5	\$335.8	\$1,602.7	\$33.5	\$106.5	\$0.0	\$1,314.4	\$14.0	\$470.0	\$106.2	\$47.4	\$6,022.0
<u>Distribution</u>													
Substations	D2	\$1,005.7	\$168.5	\$780.4	\$16.5	\$0.0	\$0.0	\$614.5	\$6.5	\$222.9	\$50.4	\$24.9	\$2,890.3
Primary Lines													
Demand	D2	\$1,342.7	\$225.0	\$1,042.0	\$22.0	\$0.0	\$0.0	\$820.4	\$8.7	\$297.6	\$67.3	\$33.5	\$3,859.2
Customer	C1	\$2,381.4	\$327.4	\$112.3	\$11.6	\$0.0	\$0.0	\$0.9	\$0.1	\$1.7	\$0.1	\$4.0	\$2,839.5
Subtotal Pri Lines		\$3,724.1	\$552.4	\$1,154.3	\$33.6	\$0.0	\$0.0	\$821.3	\$8.8	\$299.3	\$67.4	\$37.5	\$6,698.7
Secondary Lines													
Demand	D3	\$798.9	\$110.5	\$401.4	\$9.6	\$0.0	\$0.0	\$110.9	\$1.2	\$119.9	\$27.1	\$2.0	\$1,581.5
Customer	C2	\$1,087.0	\$122.4	\$34.0	\$3.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.5	\$0.1	\$0.4	\$1,248.2
Subtotal Sec Lines		\$1,885.9	\$232.9	\$435.4	\$13.4	\$0.0	\$0.0	\$110.9	\$1.2	\$120.4	\$27.2	\$2.4	\$2,829.7
Subtotal Lines		\$5,610.0	\$785.3	\$1,589.7	\$47.0	\$0.0	\$0.0	\$932.2	\$10.0	\$419.7	\$94.6	\$39.9	\$9,528.4
Line Transformers													
Demand	D3	\$164.3	\$22.7	\$82.5	\$2.0	\$0.0	\$0.0	\$22.8	\$0.2	\$24.7	\$5.6	\$0.4	\$325.2
Customer	C3	\$161.1	\$199.8	\$108.8	\$9.3	\$0.0	\$0.0	\$0.0	\$0.0	\$7.3	\$0.7	\$0.8	\$487.8
Subtotal Transf		\$325.4	\$222.5	\$191.3	\$11.3	\$0.0	\$0.0	\$22.8	\$0.2	\$32.0	\$6.3	\$1.2	\$813.0
Services	C4	\$323.8	\$34.5	\$23.0	\$1.0	\$0.2	\$0.0	\$0.7	\$0.0	\$0.5	\$0.0	\$0.9	\$384.6
Meters	C5	\$265.6	\$40.5	\$100.9	\$1.5	\$1.4	\$0.0	\$7.8	\$0.4	\$2.1	\$0.2	\$1.6	\$422.0
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Distribution		\$7,530.5	\$1,251.3	\$2,685.3	\$77.3	\$1.6	\$0.0	\$1,578.0	\$17.1	\$677.2	\$151.5	\$68.5	\$14,038.3
Customer Accts	C6	\$4,558.1	\$576.7	\$185.0	\$16.5	\$0.1	\$0.0	\$4.3	\$0.2	\$4.7	\$0.4	\$8.9	\$5,354.9
Uncollectibles	C7	\$935.6	\$128.1	\$200.1	\$13.0	\$0.0	\$0.0	\$46.1	\$0.0	\$66.2	\$0.0	\$1.8	\$1,410.9
Customer Service	C8	\$959.4	\$18.2	\$285.6	\$0.9	\$0.7	\$0.0	\$295.6	\$0.0	\$155.5	\$0.0	\$0.2	\$1,716.1
Totals													
Demand		\$54,634.4	\$9,179.9	\$43,609.8	\$912.5	\$2,745.7	\$0.0	\$35,442.6	\$377.3	\$12,777.7	\$2,888.3	\$1,281.9	\$163,850.1
Energy		\$227,523.7	\$39,731.6	\$220,684.5	\$4,329.9	\$18,303.6	\$0.0	\$214,255.2	\$2,287.9	\$72,533.7	\$16,417.5	\$3,985.4	\$820,053.0
Customer		\$10,672.0	\$1,447.6	\$1,049.7	\$57.6	\$2.4	\$0.0	\$355.4	\$0.7	\$258.5	\$1.5	\$18.6	\$13,864.0
Total		\$292,830.1	\$50,359.1	\$265,344.0	\$5,300.0	\$21,051.7	\$0.0	\$250,053.2	\$2,665.9	\$85,569.9	\$19,307.3	\$5,285.9	\$997,767.1
Percent of Total		29.349%	5.047%	26.594%	0.531%	2.110%	0.000%	25.061%	0.267%	8.576%	1.935%	0.530%	100.000%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 32 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Operation And Maintenance Expenses Excl A&G And Wage Adj. In \$000s

						Schedule PT		Schedule PP		Schedule PS		Schedule F			
		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)		
<u>Production</u>															
Production - Dmd	D1	\$59,320.2	\$10,001.5	\$47,739.6	\$996.8	\$3,173.5	\$0.0	\$39,152.4	\$416.9	\$14,000.0	\$3,164.6	\$1,411.5	\$179,377.0		
Production - Engy	E1	\$227,750.4	\$39,771.2	\$220,904.3	\$4,334.2	\$18,321.8	\$0.0	\$214,468.7	\$2,290.2	\$72,606.0	\$16,433.8	\$3,989.3	\$820,869.9		
Total Production		\$287,070.6	\$49,772.7	\$268,643.9	\$5,331.0	\$21,495.3	\$0.0	\$253,621.1	\$2,707.1	\$86,606.0	\$19,598.4	\$5,400.8	\$1,000,246.9		
<u>Transmission</u>															
	D1	\$3,469.4	\$584.9	\$2,792.1	\$58.3	\$185.6	\$0.0	\$2,289.9	\$24.4	\$818.8	\$185.1	\$82.6	\$10,491.1		
<u>Distribution</u>															
Substations	D2	\$1,825.3	\$305.9	\$1,416.5	\$29.9	\$0.0	\$0.0	\$1,115.2	\$11.8	\$404.5	\$91.4	\$45.2	\$5,245.7		
Primary Lines															
Demand	D2	\$2,226.3	\$373.1	\$1,727.7	\$36.5	\$0.0	\$0.0	\$1,360.3	\$14.4	\$493.4	\$111.5	\$55.5	\$6,398.7		
Customer	C1	\$3,948.6	\$542.8	\$186.2	\$19.2	\$0.0	\$0.0	\$1.4	\$0.1	\$2.8	\$0.2	\$6.6	\$4,707.9		
Subtotal Pri Lines		\$6,174.9	\$915.9	\$1,913.9	\$55.7	\$0.0	\$0.0	\$1,361.7	\$14.5	\$496.2	\$111.7	\$62.1	\$11,106.6		
Secondary Lines															
Demand	D3	\$1,324.6	\$183.2	\$665.5	\$16.0	\$0.0	\$0.0	\$183.9	\$2.0	\$198.8	\$45.0	\$3.5	\$2,622.5		
Customer	C2	\$1,802.4	\$202.9	\$56.4	\$6.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.9	\$0.1	\$0.7	\$2,069.7		
Subtotal Sec Lines		\$3,127.0	\$386.1	\$721.9	\$22.3	\$0.0	\$0.0	\$183.9	\$2.0	\$199.7	\$45.1	\$4.2	\$4,692.2		
Subtotal Lines		\$9,301.9	\$1,302.0	\$2,635.8	\$78.0	\$0.0	\$0.0	\$1,545.6	\$16.5	\$695.9	\$156.8	\$66.3	\$15,798.8		
Line Transformers															
Demand	D3	\$308.4	\$42.6	\$154.9	\$3.7	\$0.0	\$0.0	\$42.8	\$0.5	\$46.3	\$10.5	\$0.6	\$610.3		
Customer	C3	\$302.5	\$375.2	\$204.3	\$17.5	\$0.0	\$0.0	\$0.0	\$0.0	\$13.7	\$1.2	\$1.5	\$915.9		
Subtotal Transf		\$610.9	\$417.8	\$359.2	\$21.2	\$0.0	\$0.0	\$42.8	\$0.5	\$60.0	\$11.7	\$2.1	\$1,526.2		
Services	C4	\$466.9	\$49.8	\$33.2	\$1.5	\$0.2	\$0.0	\$1.0	\$0.0	\$0.7	\$0.1	\$1.3	\$554.7		
Meters	C5	\$991.2	\$151.1	\$376.4	\$5.6	\$5.1	\$0.0	\$29.0	\$1.5	\$8.0	\$0.7	\$6.2	\$1,574.8		
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$21.6	\$21.6		
Total Distribution		\$13,196.2	\$2,226.6	\$4,821.1	\$136.2	\$5.3	\$0.0	\$2,733.6	\$30.3	\$1,169.1	\$260.7	\$142.7	\$24,721.8		
Customer Accts	C6	\$10,231.3	\$1,294.6	\$415.3	\$37.0	\$0.2	\$0.0	\$9.6	\$0.5	\$10.5	\$1.0	\$20.0	\$12,020.0		
Uncollectibles	C7	\$935.6	\$128.1	\$200.1	\$13.0	\$0.0	\$0.0	\$46.1	\$0.0	\$86.2	\$0.0	\$1.8	\$1,410.9		
Customer Service	C8	\$2,359.4	\$44.6	\$702.3	\$2.2	\$1.7	\$0.0	\$726.9	\$0.0	\$382.4	\$0.0	\$0.5	\$4,220.0		
Totals															
Demand		\$68,474.2	\$11,491.2	\$54,496.3	\$1,141.2	\$3,359.1	\$0.0	\$44,144.5	\$470.0	\$15,961.8	\$3,608.1	\$1,598.9	\$204,745.3		
Energy		\$227,750.4	\$39,771.2	\$220,904.3	\$4,334.2	\$18,321.8	\$0.0	\$214,468.7	\$2,290.2	\$72,606.0	\$16,433.8	\$3,989.3	\$820,869.9		
Customer		\$21,037.9	\$2,789.1	\$2,174.2	\$102.3	\$7.2	\$0.0	\$814.0	\$2.1	\$505.2	\$3.3	\$60.2	\$27,495.5		
Total		\$317,262.5	\$54,051.5	\$277,574.8	\$5,577.7	\$21,688.1	\$0.0	\$259,427.2	\$2,762.3	\$89,073.0	\$20,045.2	\$5,648.4	\$1,053,110.7		
Percent of Total		30.126%	5.133%	26.358%	0.530%	2.059%	0.000%	24.634%	0.262%	8.458%	1.903%	0.535%	99.998%		

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 33 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Administrative And General Expenses In \$000s

		Schedule R	Schedule G	Schedule J	Schedule H	Schedule PT		Schedule PP		Schedule PS		Schedule F	Total
		Residential Service (\$000s)	Gen Service Non-Dmd (\$000s)	Gen Service Demand (\$000s)	Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - SEC Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)	Street Lighting (\$000s)	System (\$000s)
<u>Production</u>													
Production - Dmd	D1	\$18,357.3	\$3,095.1	\$14,773.6	\$308.5	\$982.1	\$0.0	\$12,116.2	\$129.0	\$4,332.5	\$979.3	\$436.8	\$55,510.4
Production - Engy	E1	\$77.5	\$13.5	\$75.2	\$1.5	\$6.2	\$0.0	\$73.0	\$0.8	\$24.7	\$5.6	\$1.4	\$279.4
Total Production		\$18,434.8	\$3,108.6	\$14,848.8	\$310.0	\$988.3	\$0.0	\$12,189.2	\$129.8	\$4,357.2	\$984.9	\$438.2	\$55,789.8
<u>Transmission</u>													
	D1	\$1,108.7	\$186.9	\$892.3	\$18.6	\$59.3	\$0.0	\$731.8	\$7.8	\$261.7	\$59.1	\$26.5	\$3,352.7
<u>Distribution</u>													
Substations	D2	\$584.9	\$98.0	\$453.9	\$9.6	\$0.0	\$0.0	\$357.3	\$3.8	\$129.6	\$29.3	\$14.5	\$1,680.9
Primary Lines													
Demand	D2	\$709.0	\$118.8	\$550.2	\$11.6	\$0.0	\$0.0	\$433.2	\$4.6	\$157.1	\$35.5	\$17.5	\$2,037.5
Customer	C1	\$1,257.6	\$172.9	\$59.3	\$6.1	\$0.0	\$0.0	\$0.4	\$0.0	\$0.9	\$0.1	\$2.2	\$1,499.5
Subtotal Pri Lines		\$1,966.6	\$291.7	\$609.5	\$17.7	\$0.0	\$0.0	\$433.6	\$4.6	\$158.0	\$35.6	\$19.7	\$3,537.0
Secondary Lines													
Demand	D3	\$421.8	\$58.3	\$212.1	\$5.1	\$0.0	\$0.0	\$58.6	\$0.6	\$63.3	\$14.3	\$1.1	\$835.2
Customer	C2	\$573.9	\$64.8	\$17.9	\$2.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.3	\$0.0	\$0.2	\$659.1
Subtotal Sec Lines		\$995.7	\$123.1	\$230.0	\$7.1	\$0.0	\$0.0	\$58.6	\$0.6	\$63.6	\$14.3	\$1.3	\$1,494.3
Subtotal Lines		\$2,962.3	\$414.8	\$839.5	\$24.8	\$0.0	\$0.0	\$492.2	\$5.2	\$221.6	\$49.9	\$21.0	\$5,031.3
Line Transformers													
Demand	D3	\$98.9	\$13.7	\$49.7	\$1.2	\$0.0	\$0.0	\$13.7	\$0.1	\$14.9	\$3.4	\$0.4	\$196.0
Customer	C3	\$97.2	\$120.6	\$65.7	\$5.6	\$0.0	\$0.0	\$0.0	\$0.0	\$4.4	\$0.4	\$0.5	\$294.4
Subtotal Transf		\$196.1	\$134.3	\$115.4	\$6.8	\$0.0	\$0.0	\$13.7	\$0.1	\$19.3	\$3.8	\$0.9	\$490.4
Services	C4	\$146.9	\$15.7	\$10.4	\$0.5	\$0.1	\$0.0	\$0.3	\$0.0	\$0.2	\$0.0	\$0.3	\$174.4
Meters	C5	\$328.5	\$50.1	\$124.7	\$1.9	\$1.7	\$0.0	\$9.6	\$0.5	\$2.7	\$0.2	\$2.0	\$521.9
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$7.4	\$7.4
Total Distribution		\$4,218.7	\$712.9	\$1,543.9	\$43.6	\$1.8	\$0.0	\$873.1	\$9.6	\$373.4	\$83.2	\$46.1	\$7,906.3
Customer Accts	C6	\$3,321.1	\$420.2	\$134.8	\$12.0	\$0.1	\$0.0	\$3.1	\$0.2	\$3.4	\$0.3	\$6.5	\$3,901.7
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$769.6	\$14.6	\$229.1	\$0.7	\$0.6	\$0.0	\$237.1	\$0.0	\$124.7	\$0.0	\$0.2	\$1,376.6
Totals													
Demand		\$21,280.6	\$3,570.8	\$16,931.8	\$354.6	\$1,041.4	\$0.0	\$13,710.8	\$145.9	\$4,959.1	\$1,120.9	\$496.8	\$63,612.7
Energy		\$77.5	\$13.5	\$75.2	\$1.5	\$6.2	\$0.0	\$73.0	\$0.8	\$24.7	\$5.6	\$1.4	\$279.4
Customer		\$6,494.8	\$858.9	\$641.9	\$28.8	\$2.5	\$0.0	\$250.5	\$0.7	\$136.6	\$1.0	\$19.3	\$8,435.0
Total		\$27,852.9	\$4,443.2	\$17,648.9	\$384.9	\$1,050.1	\$0.0	\$14,034.3	\$147.4	\$5,120.4	\$1,127.5	\$517.5	\$72,327.1
Percent of Total		38.510%	6.143%	24.402%	0.532%	1.452%	0.000%	19.404%	0.204%	7.080%	1.559%	0.715%	100.001%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 34 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Depreciation Accrual In \$000s

						Schedule PT		Schedule PP		Schedule PS			
		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
<u>Production</u>													
Production - Dmd	D1	\$6,701.7	\$1,129.9	\$5,393.4	\$112.6	\$358.5	\$0.0	\$4,423.2	\$47.1	\$1,581.6	\$357.5	\$159.5	\$20,265.0
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		\$6,701.7	\$1,129.9	\$5,393.4	\$112.6	\$358.5	\$0.0	\$4,423.2	\$47.1	\$1,581.6	\$357.5	\$159.5	\$20,265.0
<u>Transmission</u>													
	D1	\$5,967.5	\$1,006.1	\$4,802.5	\$100.3	\$319.3	\$0.0	\$3,938.7	\$41.9	\$1,408.4	\$318.3	\$142.0	\$18,045.0
<u>Distribution</u>													
Substations	D2	\$1,651.9	\$276.8	\$1,282.0	\$27.1	\$0.0	\$0.0	\$1,009.3	\$10.7	\$366.1	\$82.7	\$41.1	\$4,747.7
Primary Lines													
Demand	D2	\$3,773.2	\$632.3	\$2,928.1	\$61.9	\$0.0	\$0.0	\$2,305.4	\$24.5	\$836.2	\$189.0	\$93.8	\$10,844.4
Customer	C1	\$6,692.3	\$920.0	\$315.5	\$32.5	\$0.0	\$0.0	\$2.4	\$0.2	\$4.8	\$0.4	\$11.2	\$7,979.3
Subtotal Pri Lines		\$10,465.5	\$1,552.3	\$3,243.6	\$94.4	\$0.0	\$0.0	\$2,307.8	\$24.7	\$841.0	\$189.4	\$105.0	\$18,823.7
Secondary Lines													
Demand	D3	\$2,245.1	\$310.4	\$1,127.9	\$27.1	\$0.0	\$0.0	\$311.8	\$3.3	\$337.0	\$76.2	\$6.0	\$4,444.8
Customer	C2	\$3,054.8	\$343.9	\$95.5	\$10.7	\$0.0	\$0.0	\$0.0	\$0.0	\$1.5	\$0.2	\$1.1	\$3,507.7
Subtotal Sec Lines		\$5,299.9	\$654.3	\$1,223.4	\$37.8	\$0.0	\$0.0	\$311.8	\$3.3	\$338.5	\$76.4	\$7.1	\$7,952.5
Subtotal Lines		\$15,765.4	\$2,206.6	\$4,467.0	\$132.2	\$0.0	\$0.0	\$2,619.6	\$28.0	\$1,179.5	\$265.8	\$112.1	\$26,776.2
Line Transformers													
Demand	D3	\$1,572.5	\$217.4	\$790.0	\$19.0	\$0.0	\$0.0	\$218.4	\$2.3	\$236.0	\$53.4	\$4.2	\$3,113.2
Customer	C3	\$1,542.2	\$1,912.7	\$1,041.6	\$89.4	\$0.0	\$0.0	\$0.0	\$0.0	\$69.8	\$6.4	\$8.0	\$4,670.1
Subtotal Transf		\$3,114.7	\$2,130.1	\$1,831.6	\$108.4	\$0.0	\$0.0	\$218.4	\$2.3	\$305.8	\$59.8	\$12.2	\$7,783.3
Services	C4	\$7,238.6	\$771.6	\$514.7	\$23.4	\$3.8	\$0.0	\$15.0	\$0.8	\$10.1	\$0.9	\$20.2	\$8,599.1
Meters	C5	\$566.8	\$86.4	\$215.2	\$3.2	\$2.9	\$0.0	\$16.6	\$0.9	\$4.6	\$0.4	\$3.5	\$900.5
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1.2	\$1.2
Total Distribution		\$28,337.4	\$5,471.5	\$8,310.5	\$294.3	\$6.7	\$0.0	\$3,878.9	\$42.7	\$1,866.1	\$409.6	\$190.3	\$48,808.0
Customer Accts	C6	\$587.3	\$74.3	\$23.8	\$2.1	\$0.0	\$0.0	\$0.6	\$0.0	\$0.6	\$0.1	\$1.2	\$690.0
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$135.4	\$2.6	\$40.3	\$0.1	\$0.1	\$0.0	\$41.7	\$0.0	\$21.9	\$0.0	\$0.0	\$242.1
<u>Totals</u>													
Demand		\$21,911.9	\$3,572.9	\$16,323.9	\$348.0	\$677.8	\$0.0	\$12,206.8	\$129.8	\$4,765.3	\$1,077.1	\$446.6	\$61,460.1
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		\$19,817.4	\$4,111.5	\$2,246.6	\$161.4	\$6.8	\$0.0	\$76.3	\$1.9	\$113.3	\$8.4	\$46.4	\$26,590.0
Total		\$41,729.3	\$7,684.4	\$18,570.5	\$509.4	\$684.6	\$0.0	\$12,283.1	\$131.7	\$4,878.6	\$1,085.5	\$493.0	\$88,050.1
Percent of Total		47.393%	8.727%	21.091%	0.579%	0.778%	0.000%	13.950%	0.150%	5.541%	1.233%	0.560%	100.002%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 35 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Total Depreciation Expense In \$000s

		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT		Schedule PP		Schedule PS		Schedule F1 Street Lighting (\$000s)	Total System (\$000s)
						P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
<u>Production</u>													
Production - Dmd	D1	\$6,701.7	\$1,129.9	\$5,393.5	\$112.6	\$358.5	\$0.0	\$4,423.2	\$47.1	\$1,581.6	\$357.5	\$159.5	\$20,265.1
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		\$6,701.7	\$1,129.9	\$5,393.5	\$112.6	\$358.5	\$0.0	\$4,423.2	\$47.1	\$1,581.6	\$357.5	\$159.5	\$20,265.1
<u>Transmission</u>													
	D1	\$4,973.5	\$838.5	\$4,002.5	\$83.6	\$266.1	\$0.0	\$3,282.6	\$35.0	\$1,173.8	\$265.3	\$118.3	\$15,039.2
<u>Distribution</u>													
Substations	D2	\$1,404.2	\$235.3	\$1,089.7	\$23.0	\$0.0	\$0.0	\$858.0	\$9.1	\$311.2	\$70.3	\$34.9	\$4,035.7
Primary Lines													
Demand	D2	\$3,314.1	\$555.3	\$2,571.9	\$54.3	\$0.0	\$0.0	\$2,024.9	\$21.5	\$734.5	\$166.0	\$82.5	\$9,525.0
Customer	C1	\$5,878.1	\$808.1	\$277.1	\$28.5	\$0.0	\$0.0	\$2.1	\$0.2	\$4.2	\$0.4	\$9.8	\$7,008.5
Subtotal Pri Lines		\$9,192.2	\$1,363.4	\$2,849.0	\$82.8	\$0.0	\$0.0	\$2,027.0	\$21.7	\$738.7	\$166.4	\$92.3	\$16,533.5
Secondary Lines													
Demand	D3	\$1,971.9	\$272.7	\$990.7	\$23.8	\$0.0	\$0.0	\$273.8	\$2.9	\$296.0	\$67.0	\$5.4	\$3,904.2
Customer	C2	\$2,683.2	\$302.1	\$83.9	\$9.4	\$0.0	\$0.0	\$0.0	\$0.0	\$1.3	\$0.2	\$1.0	\$3,081.1
Subtotal Sec Lines		\$4,655.1	\$574.8	\$1,074.6	\$33.2	\$0.0	\$0.0	\$273.8	\$2.9	\$297.3	\$67.2	\$6.4	\$6,985.3
Subtotal Lines		\$13,847.3	\$1,938.2	\$3,923.6	\$116.0	\$0.0	\$0.0	\$2,300.8	\$24.6	\$1,036.0	\$233.6	\$98.7	\$23,518.8
Line Transformers													
Demand	D3	\$1,442.1	\$199.4	\$724.5	\$17.4	\$0.0	\$0.0	\$200.3	\$2.1	\$216.5	\$49.0	\$3.9	\$2,855.2
Customer	C3	\$1,414.3	\$1,754.1	\$955.3	\$82.0	\$0.0	\$0.0	\$0.0	\$0.0	\$64.0	\$5.8	\$7.3	\$4,282.8
Subtotal Transf		\$2,856.4	\$1,953.5	\$1,679.8	\$99.4	\$0.0	\$0.0	\$200.3	\$2.1	\$280.5	\$54.8	\$11.2	\$7,138.0
Services	C4	\$6,557.1	\$698.9	\$466.2	\$21.2	\$3.4	\$0.0	\$13.6	\$0.7	\$9.2	\$0.9	\$18.3	\$7,789.5
Meters	C5	\$480.0	\$73.2	\$182.3	\$2.7	\$2.5	\$0.0	\$14.0	\$0.7	\$3.9	\$0.4	\$3.0	\$762.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1.2	\$1.2
Total Distribution		\$25,145.0	\$4,899.1	\$7,341.6	\$262.3	\$5.9	\$0.0	\$3,386.7	\$37.2	\$1,640.8	\$360.0	\$167.3	\$43,245.9
Customer Accts	C6	\$587.3	\$74.3	\$23.8	\$2.1	\$0.0	\$0.0	\$0.6	\$0.0	\$0.6	\$0.1	\$1.2	\$690.0
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$135.4	\$2.6	\$40.3	\$0.1	\$0.1	\$0.0	\$41.7	\$0.0	\$21.9	\$0.0	\$0.0	\$242.1
Totals													
Demand		\$19,807.5	\$3,231.1	\$14,772.8	\$314.7	\$624.6	\$0.0	\$11,062.8	\$117.7	\$4,313.6	\$975.1	\$404.5	\$55,624.4
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		\$17,735.4	\$3,713.3	\$2,028.9	\$146.0	\$6.0	\$0.0	\$72.0	\$1.6	\$105.1	\$7.8	\$41.8	\$23,857.9
Total		\$37,542.9	\$6,944.4	\$16,801.7	\$460.7	\$630.6	\$0.0	\$11,134.8	\$119.3	\$4,418.7	\$982.9	\$446.3	\$79,482.3
Percent of Total		47.234%	8.737%	21.139%	0.580%	0.793%	0.000%	14.009%	0.150%	5.559%	1.237%	0.563%	100.001%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 36 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Amortized Contributions In \$000s

						Schedule PT		Schedule PP		Schedule PS			
		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
<u>Production</u>													
Production - Dmd	D1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<u>Transmission</u>													
	D1	(\$994.0)	(\$167.6)	(\$800.0)	(\$16.7)	(\$53.2)	\$0.0	(\$656.1)	(\$7.0)	(\$234.6)	(\$53.0)	(\$23.8)	(\$3,006.0)
<u>Distribution</u>													
Substations	D2	(\$247.7)	(\$41.5)	(\$192.2)	(\$4.1)	\$0.0	\$0.0	(\$151.4)	(\$1.6)	(\$54.9)	(\$12.4)	(\$6.2)	(\$712.0)
Primary Lines													
Demand	D2	(\$459.0)	(\$76.9)	(\$356.2)	(\$7.5)	\$0.0	\$0.0	(\$280.5)	(\$3.0)	(\$101.7)	(\$23.0)	(\$11.4)	(\$1,319.2)
Customer	C1	(\$814.2)	(\$111.9)	(\$38.4)	(\$4.0)	\$0.0	\$0.0	(\$0.3)	\$0.0	(\$0.6)	\$0.0	(\$1.4)	(\$970.8)
Subtotal Pri Lines		(\$1,273.2)	(\$188.8)	(\$394.6)	(\$11.5)	\$0.0	\$0.0	(\$280.8)	(\$3.0)	(\$102.3)	(\$23.0)	(\$12.8)	(\$2,290.0)
Secondary Lines													
Demand	D3	(\$273.2)	(\$37.8)	(\$137.2)	(\$3.3)	\$0.0	\$0.0	(\$37.9)	(\$0.4)	(\$41.0)	(\$9.3)	(\$0.7)	(\$540.8)
Customer	C2	(\$371.6)	(\$41.8)	(\$11.7)	(\$1.3)	\$0.0	\$0.0	\$0.0	\$0.0	(\$0.2)	\$0.0	(\$0.1)	(\$426.7)
Subtotal Sec Lines		(\$644.8)	(\$79.6)	(\$148.9)	(\$4.6)	\$0.0	\$0.0	(\$37.9)	(\$0.4)	(\$41.2)	(\$9.3)	(\$0.8)	(\$967.5)
Subtotal Lines		(\$1,918.0)	(\$268.4)	(\$543.5)	(\$16.1)	\$0.0	\$0.0	(\$318.7)	(\$3.4)	(\$143.5)	(\$32.3)	(\$13.6)	(\$3,257.5)
Line Transformers													
Demand	D3	(\$130.4)	(\$18.0)	(\$65.5)	(\$1.6)	\$0.0	\$0.0	(\$18.1)	(\$0.2)	(\$19.6)	(\$4.4)	(\$0.3)	(\$258.1)
Customer	C3	(\$127.8)	(\$158.5)	(\$86.3)	(\$7.4)	\$0.0	\$0.0	\$0.0	\$0.0	(\$5.8)	(\$0.5)	(\$0.6)	(\$386.9)
Subtotal Transf		(\$258.2)	(\$176.5)	(\$151.8)	(\$9.0)	\$0.0	\$0.0	(\$18.1)	(\$0.2)	(\$25.4)	(\$4.9)	(\$0.9)	(\$645.0)
Services	C4	(\$681.5)	(\$72.6)	(\$48.5)	(\$2.2)	(\$0.4)	\$0.0	(\$1.4)	(\$0.1)	(\$1.0)	(\$0.1)	(\$2.0)	(\$809.8)
Meters	C5	(\$86.8)	(\$13.2)	(\$33.0)	(\$0.5)	(\$0.4)	\$0.0	(\$2.5)	(\$0.1)	(\$0.7)	(\$0.1)	(\$0.5)	(\$137.8)
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Distribution		(\$3,192.2)	(\$572.2)	(\$969.0)	(\$31.9)	(\$0.8)	\$0.0	(\$492.1)	(\$5.4)	(\$225.5)	(\$49.8)	(\$23.2)	(\$5,562.1)
Customer Accts	C6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Totals													
Demand		(\$2,104.3)	(\$341.8)	(\$1,551.1)	(\$33.2)	(\$53.2)	\$0.0	(\$1,144.0)	(\$12.2)	(\$451.8)	(\$102.1)	(\$42.4)	(\$5,836.1)
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		(\$2,081.9)	(\$398.0)	(\$217.9)	(\$15.4)	(\$0.8)	\$0.0	(\$4.2)	(\$0.2)	(\$8.3)	(\$0.7)	(\$4.6)	(\$2,732.0)
Total		(\$4,186.2)	(\$739.8)	(\$1,769.0)	(\$48.6)	(\$54.0)	\$0.0	(\$1,148.2)	(\$12.4)	(\$460.1)	(\$102.8)	(\$47.0)	(\$8,568.1)
Percent of Total		48.858%	8.634%	20.646%	0.567%	0.630%	0.000%	13.401%	0.145%	5.370%	1.200%	0.548%	99.999%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 37 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Amortized Investment Tax Credit In \$000s

		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT		Schedule PP		Schedule PS		Schedule F Street Lighting (\$000s)	Total System (\$000s)
						P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
<u>Production</u>													
Production - Dmd	D1	(\$124.1)	(\$20.9)	(\$99.9)	(\$2.1)	(\$6.6)	\$0.0	(\$81.9)	(\$0.9)	(\$29.3)	(\$6.6)	(\$3.1)	(\$375.4)
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		(\$124.1)	(\$20.9)	(\$99.9)	(\$2.1)	(\$6.6)	\$0.0	(\$81.9)	(\$0.9)	(\$29.3)	(\$6.6)	(\$3.1)	(\$375.4)
<u>Transmission</u>													
	D1	(\$57.7)	(\$9.7)	(\$46.4)	(\$1.0)	(\$3.1)	\$0.0	(\$38.1)	(\$0.4)	(\$13.6)	(\$3.1)	(\$1.5)	(\$174.6)
<u>Distribution</u>													
Substations	D2	(\$20.3)	(\$3.4)	(\$15.7)	(\$0.3)	\$0.0	\$0.0	(\$12.4)	(\$0.1)	(\$4.5)	(\$1.0)	(\$0.5)	(\$58.2)
Primary Lines													
Demand	D2	(\$34.2)	(\$5.7)	(\$26.6)	(\$0.6)	\$0.0	\$0.0	(\$20.9)	(\$0.2)	(\$7.6)	(\$1.7)	(\$0.9)	(\$98.4)
Customer	C1	(\$60.8)	(\$8.4)	(\$2.9)	(\$0.3)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	(\$0.1)	(\$72.5)
Subtotal Pri Lines		(\$95.0)	(\$14.1)	(\$29.5)	(\$0.9)	\$0.0	\$0.0	(\$20.9)	(\$0.2)	(\$7.6)	(\$1.7)	(\$1.0)	(\$170.9)
Secondary Lines													
Demand	D3	(\$20.4)	(\$2.8)	(\$10.2)	(\$0.2)	\$0.0	\$0.0	(\$2.8)	\$0.0	(\$3.1)	(\$0.7)	(\$0.1)	(\$40.3)
Customer	C2	(\$27.7)	(\$3.1)	(\$0.9)	(\$0.1)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	(\$31.8)
Subtotal Sec Lines		(\$48.1)	(\$5.9)	(\$11.1)	(\$0.3)	\$0.0	\$0.0	(\$2.8)	\$0.0	(\$3.1)	(\$0.7)	(\$0.1)	(\$72.1)
Subtotal Lines		(\$143.1)	(\$20.0)	(\$40.6)	(\$1.2)	\$0.0	\$0.0	(\$23.7)	(\$0.2)	(\$10.7)	(\$2.4)	(\$1.1)	(\$243.0)
Line Transformers													
Demand	D3	(\$11.7)	(\$1.6)	(\$5.9)	(\$0.1)	\$0.0	\$0.0	(\$1.6)	\$0.0	(\$1.8)	(\$0.4)	\$0.0	(\$23.1)
Customer	C3	(\$11.4)	(\$14.2)	(\$7.7)	(\$0.7)	\$0.0	\$0.0	\$0.0	\$0.0	(\$0.5)	\$0.0	(\$0.1)	(\$34.6)
Subtotal Transf		(\$23.1)	(\$15.8)	(\$13.6)	(\$0.8)	\$0.0	\$0.0	(\$1.6)	\$0.0	(\$2.3)	(\$0.4)	(\$0.1)	(\$57.7)
Services	C4	(\$116.3)	(\$12.4)	(\$8.3)	(\$0.4)	(\$0.1)	\$0.0	(\$0.2)	\$0.0	(\$0.2)	\$0.0	(\$0.3)	(\$138.2)
Meters	C5	(\$9.1)	(\$1.4)	(\$3.5)	(\$0.1)	\$0.0	\$0.0	(\$0.3)	\$0.0	(\$0.1)	\$0.0	(\$0.1)	(\$14.6)
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Distribution		(\$311.9)	(\$53.0)	(\$81.7)	(\$2.8)	(\$0.1)	\$0.0	(\$38.2)	(\$0.3)	(\$17.8)	(\$3.8)	(\$2.1)	(\$511.7)
Customer Accts	C6	(\$3.6)	(\$0.5)	(\$0.1)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	(\$4.2)
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	(\$0.8)	\$0.0	(\$0.2)	\$0.0	\$0.0	\$0.0	(\$0.3)	\$0.0	(\$0.1)	\$0.0	\$0.0	(\$1.4)
Totals													
Demand		(\$268.4)	(\$44.1)	(\$204.7)	(\$4.3)	(\$9.7)	\$0.0	(\$157.7)	(\$1.6)	(\$59.9)	(\$13.5)	(\$6.1)	(\$770.0)
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		(\$229.7)	(\$40.0)	(\$23.6)	(\$1.6)	(\$0.1)	\$0.0	(\$0.8)	\$0.0	(\$0.9)	\$0.0	(\$0.6)	(\$297.3)
Total		(\$498.1)	(\$84.1)	(\$228.3)	(\$5.9)	(\$9.8)	\$0.0	(\$158.5)	(\$1.6)	(\$60.8)	(\$13.5)	(\$6.7)	(\$1,067.3)
Percent of Total		46.669%	7.880%	21.390%	0.553%	0.918%	0.000%	14.851%	0.150%	5.697%	1.265%	0.628%	100.001%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 38 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Total Rate Base By Rate Class In \$000s

		Schedule R		Schedule G		Schedule J		Schedule H		Schedule PT		Schedule PP		Schedule PS		Schedule F Street Lighting (\$000s)	Total System (\$000s)
		Residential Service (\$000s)	Gen Service Non-Dmd (\$000s)	Gen Service Demand (\$000s)	Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)						
<u>Production</u>																	
Production - Dmd	D1	\$116,287.8	\$19,606.5	\$93,585.9	\$1,954.3	\$6,221.4	\$0.0	\$76,752.1	\$817.2	\$27,445.0	\$6,203.6	\$2,767.5	\$351,641.3				
Production - Engy	E1	\$19,570.6	\$3,417.6	\$18,982.2	\$372.5	\$1,574.4	\$0.0	\$18,429.3	\$196.7	\$6,239.0	\$1,412.2	\$342.9	\$70,537.4				
Total Production		\$135,858.4	\$23,024.1	\$112,568.1	\$2,326.8	\$7,795.8	\$0.0	\$95,181.4	\$1,013.9	\$33,684.0	\$7,615.8	\$3,110.4	\$422,178.7				
<u>Transmission</u>																	
	D1	\$89,745.7	\$15,131.4	\$72,225.6	\$1,508.0	\$4,801.5	\$0.0	\$59,234.2	\$630.7	\$21,181.0	\$4,787.7	\$2,135.5	\$271,381.3				
<u>Distribution</u>																	
Substations	D2	\$28,619.0	\$4,795.6	\$22,209.2	\$469.4	\$0.0	\$0.0	\$17,485.9	\$185.6	\$6,342.5	\$1,433.5	\$711.5	\$82,252.2				
Primary Lines																	
Demand	D2	\$33,834.5	\$5,669.7	\$26,256.8	\$554.8	\$0.0	\$0.0	\$20,672.6	\$219.6	\$7,498.4	\$1,694.8	\$841.4	\$97,242.6				
Customer	C1	\$60,010.2	\$8,249.7	\$2,829.2	\$291.2	\$0.0	\$0.0	\$21.4	\$2.0	\$43.0	\$3.5	\$100.2	\$71,550.4				
Subtotal Pri Lines		\$93,844.7	\$13,919.4	\$29,086.0	\$846.0	\$0.0	\$0.0	\$20,694.0	\$221.6	\$7,541.4	\$1,698.3	\$941.6	\$168,793.0				
Secondary Lines																	
Demand	D3	\$20,131.8	\$2,783.7	\$10,114.3	\$242.7	\$0.0	\$0.0	\$2,795.5	\$29.9	\$3,021.9	\$683.5	\$53.9	\$39,857.2				
Customer	C2	\$27,391.9	\$3,083.7	\$866.6	\$96.2	\$0.0	\$0.0	\$0.0	\$0.0	\$13.3	\$1.5	\$10.1	\$31,453.3				
Subtotal Sec Lines		\$47,523.7	\$5,867.4	\$10,970.9	\$338.9	\$0.0	\$0.0	\$2,795.5	\$29.9	\$3,035.2	\$685.0	\$64.0	\$71,310.5				
Subtotal Lines		\$141,368.4	\$19,786.8	\$40,056.9	\$1,184.9	\$0.0	\$0.0	\$23,489.5	\$251.5	\$10,576.6	\$2,383.3	\$1,005.6	\$240,103.5				
Line Transformers																	
Demand	D3	\$18,409.9	\$2,545.5	\$9,249.1	\$222.0	\$0.0	\$0.0	\$2,556.4	\$27.2	\$2,763.5	\$625.2	\$49.2	\$36,448.0				
Customer	C3	\$18,054.6	\$22,392.3	\$12,194.8	\$1,046.3	\$0.0	\$0.0	\$0.0	\$0.0	\$816.8	\$74.4	\$93.8	\$54,673.0				
Subtotal Transf		\$36,464.5	\$24,937.8	\$21,443.9	\$1,268.3	\$0.0	\$0.0	\$2,556.4	\$27.2	\$3,580.3	\$699.6	\$143.0	\$91,121.0				
Services	C4	\$65,481.9	\$6,979.9	\$4,655.7	\$211.6	\$34.1	\$0.0	\$135.3	\$7.1	\$91.8	\$8.6	\$182.7	\$77,788.7				
Meters	C5	\$7,726.9	\$1,177.7	\$2,933.9	\$43.7	\$39.5	\$0.0	\$226.1	\$11.6	\$62.4	\$5.5	\$48.1	\$12,275.4				
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$35.4	\$35.4				
Total Distribution		\$279,660.7	\$57,677.8	\$91,299.6	\$3,177.9	\$73.6	\$0.0	\$43,893.2	\$483.0	\$20,653.6	\$4,530.5	\$2,126.3	\$503,576.2				
Customer Accts	C6	\$11,486.1	\$1,453.2	\$466.2	\$41.5	\$0.2	\$0.0	\$10.9	\$0.5	\$11.7	\$1.1	\$22.4	\$13,493.8				
Uncollectibles	C7	(\$11.9)	(\$1.6)	(\$2.6)	(\$0.2)	\$0.0	\$0.0	(\$0.6)	\$0.0	(\$1.1)	\$0.0	\$0.0	(\$18.0)				
Customer Service	C8	\$2,757.9	\$52.2	\$821.0	\$2.5	\$2.0	\$0.0	\$849.6	\$0.0	\$447.0	\$0.0	\$0.3	\$4,932.5				
Totals																	
Demand		\$307,028.7	\$50,532.4	\$233,640.9	\$4,951.2	\$11,022.9	\$0.0	\$179,496.7	\$1,910.2	\$68,252.3	\$15,428.3	\$6,559.0	\$878,822.6				
Energy		\$19,570.6	\$3,417.6	\$18,982.2	\$372.5	\$1,574.4	\$0.0	\$18,429.3	\$196.7	\$6,239.0	\$1,412.2	\$342.9	\$70,537.4				
Customer		\$192,897.6	\$43,387.1	\$24,754.8	\$1,732.8	\$75.8	\$0.0	\$1,242.7	\$21.2	\$1,484.9	\$94.6	\$493.0	\$266,184.5				
Total		\$519,496.9	\$97,337.1	\$277,377.9	\$7,056.5	\$12,673.1	\$0.0	\$199,168.7	\$2,128.1	\$75,976.2	\$16,935.1	\$7,394.9	\$1,215,544.5				
Percent of Total		42.738%	8.008%	22.819%	0.581%	1.043%	0.000%	16.385%	0.175%	6.250%	1.393%	0.609%	100.001%				

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 39 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Gross Plant In Service In \$000s

						Schedule PT		Schedule PP		Schedule PS			
		Schedule R/E	Schedule G	Schedule J	Schedule H	P - TP	P - TS	P - DP	P - DS	P - Sec	P - Nwk	Schedule F	Total
		Residential	Gen Service	Gen Service	Comm	Large Power	Large Power	Large Power	Large Power	Large Power	Large Power	Street	System
		Service	Non-Dmd	Demand	Service	Trans Pri	Trans Sec	Dist Pri	Dist Sec	Sec	Nwk	Lighting	System
		(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
<u>Production</u>													
Production - Dmd	D1	\$246,936.1	\$41,634.0	\$198,728.8	\$4,149.4	\$13,210.7	\$0.0	\$162,982.6	\$1,735.3	\$58,278.8	\$13,173.4	\$5,875.8	\$746,704.9
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		\$246,936.1	\$41,634.0	\$198,728.8	\$4,149.4	\$13,210.7	\$0.0	\$162,982.6	\$1,735.3	\$58,278.8	\$13,173.4	\$5,875.8	\$746,704.9
<u>Transmission</u>													
	D1	\$198,317.6	\$33,436.8	\$159,601.7	\$3,332.5	\$10,609.7	\$0.0	\$130,893.4	\$1,393.7	\$46,804.5	\$10,579.7	\$4,718.9	\$599,688.5
<u>Distribution</u>													
Substations	D2	\$56,031.0	\$9,389.0	\$43,481.9	\$918.7	\$0.0	\$0.0	\$34,234.4	\$363.5	\$12,417.6	\$2,806.5	\$1,393.1	\$161,035.7
Primary Lines													
Demand	D2	\$90,673.9	\$15,194.1	\$70,366.0	\$1,486.7	\$0.0	\$0.0	\$55,401.0	\$588.2	\$20,095.2	\$4,541.8	\$2,254.5	\$260,601.4
Customer	C1	\$160,824.2	\$22,109.0	\$7,581.9	\$780.4	\$0.0	\$0.0	\$57.5	\$5.8	\$115.1	\$9.6	\$268.5	\$191,752.0
Subtotal Pri Lines		\$251,498.1	\$37,303.1	\$77,947.9	\$2,267.1	\$0.0	\$0.0	\$55,458.5	\$594.0	\$20,210.3	\$4,551.4	\$2,523.0	\$452,353.4
Secondary Lines													
Demand	D3	\$53,951.8	\$7,459.9	\$27,105.1	\$650.5	\$0.0	\$0.0	\$7,491.9	\$80.1	\$8,098.6	\$1,831.9	\$144.2	\$106,814.0
Customer	C2	\$73,410.0	\$8,264.2	\$2,295.3	\$257.9	\$0.0	\$0.0	\$0.0	\$0.0	\$35.4	\$4.2	\$27.0	\$84,294.0
Subtotal Sec Lines		\$127,361.8	\$15,724.1	\$29,400.4	\$908.4	\$0.0	\$0.0	\$7,491.9	\$80.1	\$8,134.0	\$1,836.1	\$171.2	\$191,108.0
Subtotal Lines		\$378,859.9	\$53,027.2	\$107,348.3	\$3,175.5	\$0.0	\$0.0	\$62,950.4	\$674.1	\$28,344.3	\$6,387.5	\$2,694.2	\$643,461.4
Line Transformers													
Demand	D3	\$25,203.9	\$3,484.9	\$12,662.3	\$303.9	\$0.0	\$0.0	\$3,499.9	\$37.4	\$3,783.3	\$855.8	\$67.4	\$49,898.8
Customer	C3	\$24,717.8	\$30,656.4	\$16,695.4	\$1,432.6	\$0.0	\$0.0	\$0.0	\$0.0	\$1,118.3	\$101.8	\$128.0	\$74,850.3
Subtotal Transf		\$49,921.7	\$34,141.3	\$29,357.7	\$1,736.5	\$0.0	\$0.0	\$3,499.9	\$37.4	\$4,901.6	\$957.6	\$195.4	\$124,749.1
Services	C4	\$171,137.3	\$18,242.3	\$12,167.6	\$553.0	\$89.5	\$0.0	\$353.7	\$18.3	\$239.9	\$22.4	\$477.8	\$203,301.8
Meters	C5	\$17,112.9	\$2,608.3	\$6,497.7	\$96.8	\$87.5	\$0.0	\$500.8	\$25.8	\$138.1	\$12.5	\$106.6	\$27,187.0
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$18.8	\$18.8
Total Distribution		\$673,062.8	\$117,408.1	\$198,853.2	\$6,480.5	\$177.0	\$0.0	\$101,539.2	\$1,119.1	\$46,041.5	\$10,186.5	\$4,885.9	\$1,159,753.8
Customer Accts	C6	\$9,251.0	\$1,170.5	\$375.5	\$33.5	\$0.2	\$0.0	\$8.7	\$0.4	\$9.5	\$0.9	\$18.2	\$10,868.4
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$2,133.3	\$40.4	\$635.0	\$1.9	\$1.5	\$0.0	\$657.2	\$0.0	\$345.8	\$0.0	\$0.3	\$3,815.4
<u>Totals</u>													
Demand		\$671,114.3	\$110,598.7	\$511,945.8	\$10,841.7	\$23,820.4	\$0.0	\$394,503.2	\$4,198.2	\$149,478.0	\$33,789.1	\$14,453.9	\$1,924,743.3
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		\$458,586.5	\$83,091.1	\$46,248.4	\$3,156.1	\$178.7	\$0.0	\$1,577.9	\$50.3	\$2,002.1	\$151.4	\$1,045.2	\$596,087.7
Total		\$1,129,700.8	\$193,689.8	\$558,194.2	\$13,997.8	\$23,999.1	\$0.0	\$396,081.1	\$4,248.5	\$151,480.1	\$33,940.5	\$15,499.1	\$2,520,831.0
Percent of Total		44.815%	7.684%	22.143%	0.555%	0.952%	0.000%	15.712%	0.169%	6.009%	1.346%	0.614%	99.999%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 40 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Depreciation Balance in \$000s

		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT		Schedule PP		Schedule PS		Schedule F Street Lighting (\$000s)	Total System (\$000s)
						P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
<u>Production</u>													
Production - Dmd	D1	(\$132,136.5)	(\$22,278.5)	(\$106,340.6)	(\$2,220.4)	(\$7,069.1)	\$0.0	(\$87,212.7)	(\$928.6)	(\$31,185.2)	(\$7,049.1)	(\$3,144.1)	(\$399,564.8)
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		(\$132,136.5)	(\$22,278.5)	(\$106,340.6)	(\$2,220.4)	(\$7,069.1)	\$0.0	(\$87,212.7)	(\$928.6)	(\$31,185.2)	(\$7,049.1)	(\$3,144.1)	(\$399,564.8)
<u>Transmission</u>													
	D1	(\$61,312.5)	(\$13,709.5)	(\$65,438.5)	(\$1,366.4)	(\$4,350.1)	\$0.0	(\$53,667.8)	(\$571.4)	(\$19,190.4)	(\$4,337.8)	(\$1,934.8)	(\$245,879.2)
<u>Distribution</u>													
Substations	D2	(\$20,877.6)	(\$3,498.4)	(\$16,201.8)	(\$342.3)	\$0.0	\$0.0	(\$12,756.1)	(\$135.4)	(\$4,626.9)	(\$1,045.7)	(\$518.9)	(\$60,003.1)
Primary Lines													
Demand	D2	(\$44,293.9)	(\$7,422.3)	(\$34,373.6)	(\$726.3)	\$0.0	\$0.0	(\$27,063.2)	(\$287.3)	(\$9,816.5)	(\$2,218.6)	(\$1,101.3)	(\$127,303.0)
Customer	C1	(\$78,562.0)	(\$10,800.2)	(\$3,703.7)	(\$381.2)	\$0.0	\$0.0	(\$28.1)	(\$2.8)	(\$56.2)	(\$4.7)	(\$131.0)	(\$93,669.9)
Subtotal Pri Lines		(\$122,855.9)	(\$18,222.5)	(\$38,077.3)	(\$1,107.5)	\$0.0	\$0.0	(\$27,091.3)	(\$290.1)	(\$9,872.7)	(\$2,223.3)	(\$1,232.3)	(\$220,972.9)
Secondary Lines													
Demand	D3	(\$26,355.3)	(\$3,644.1)	(\$13,240.8)	(\$317.8)	\$0.0	\$0.0	(\$3,659.8)	(\$39.1)	(\$3,956.2)	(\$894.9)	(\$70.4)	(\$52,178.4)
Customer	C2	(\$35,860.5)	(\$4,037.0)	(\$1,121.3)	(\$126.0)	\$0.0	\$0.0	\$0.0	\$0.0	(\$17.3)	(\$2.1)	(\$13.2)	(\$41,177.4)
Subtotal Sec Lines		(\$62,215.8)	(\$7,681.1)	(\$14,362.1)	(\$443.8)	\$0.0	\$0.0	(\$3,659.8)	(\$39.1)	(\$3,973.5)	(\$897.0)	(\$83.6)	(\$93,355.8)
Subtotal Lines		(\$185,071.7)	(\$25,903.6)	(\$52,439.4)	(\$1,551.3)	\$0.0	\$0.0	(\$30,751.1)	(\$329.2)	(\$13,846.2)	(\$3,120.3)	(\$1,315.9)	(\$314,328.7)
Line Transformers													
Demand	D3	(\$3,167.3)	(\$437.9)	(\$1,591.2)	(\$38.2)	\$0.0	\$0.0	(\$439.8)	(\$4.7)	(\$475.4)	(\$107.5)	(\$8.5)	(\$6,270.5)
Customer	C3	(\$3,106.4)	(\$3,852.7)	(\$2,098.2)	(\$180.0)	\$0.0	\$0.0	\$0.0	\$0.0	(\$140.5)	(\$12.8)	(\$16.2)	(\$9,406.8)
Subtotal Transf		(\$6,273.7)	(\$4,290.6)	(\$3,689.4)	(\$218.2)	\$0.0	\$0.0	(\$439.8)	(\$4.7)	(\$615.9)	(\$120.3)	(\$24.7)	(\$15,677.3)
Services	C4	(\$84,052.7)	(\$8,959.5)	(\$5,976.0)	(\$271.6)	(\$43.9)	\$0.0	(\$173.7)	(\$9.0)	(\$117.8)	(\$11.0)	(\$234.6)	(\$99,849.8)
Meters	C5	(\$7,672.1)	(\$1,169.4)	(\$2,913.1)	(\$43.4)	(\$39.2)	\$0.0	(\$224.5)	(\$11.6)	(\$61.9)	(\$5.6)	(\$47.7)	(\$12,188.5)
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	(\$8.0)	(\$8.0)
Total Distribution		(\$303,947.8)	(\$43,821.5)	(\$81,219.7)	(\$2,426.8)	(\$83.1)	\$0.0	(\$44,345.2)	(\$489.9)	(\$19,268.7)	(\$4,302.9)	(\$2,149.8)	(\$502,055.4)
Customer Accts	C6	(\$3,931.8)	(\$497.5)	(\$159.6)	(\$14.2)	(\$0.1)	\$0.0	(\$3.7)	(\$0.2)	(\$4.0)	(\$0.4)	(\$7.7)	(\$4,619.2)
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	(\$907.2)	(\$17.2)	(\$270.0)	(\$0.8)	(\$0.6)	\$0.0	(\$279.5)	\$0.0	(\$147.0)	\$0.0	\$0.0	(\$1,622.3)
Totals													
Demand		(\$308,143.1)	(\$50,990.7)	(\$237,186.5)	(\$5,011.4)	(\$11,419.2)	\$0.0	(\$184,799.4)	(\$1,966.5)	(\$69,250.6)	(\$15,653.6)	(\$6,778.0)	(\$891,109.0)
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		(\$214,092.7)	(\$29,333.5)	(\$16,241.9)	(\$1,017.2)	(\$83.8)	\$0.0	(\$709.5)	(\$23.6)	(\$544.7)	(\$36.6)	(\$458.4)	(\$262,541.9)
Total		(\$522,235.8)	(\$80,324.2)	(\$253,428.4)	(\$6,028.6)	(\$11,503.0)	\$0.0	(\$185,508.9)	(\$1,990.1)	(\$69,795.3)	(\$15,690.2)	(\$7,236.4)	(\$1,153,740.9)
Percent of Total		45.265%	6.962%	21.966%	0.523%	0.997%	0.000%	16.079%	0.172%	6.049%	1.360%	0.627%	100.000%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 41 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Net Plant In Service In \$000s

			Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT		Schedule PD		Schedule PS		Schedule F Street Lighting (\$000s)	Total System (\$000s)
							P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
<u>Production</u>														
Production - Dmd	D1	\$114,799.6	\$19,355.6	\$92,388.3	\$1,929.2	\$6,141.7	\$0.0	\$75,770.0	\$806.8	\$27,093.7	\$6,124.2	\$2,731.6	\$347,140.7	
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	
Total Production		\$114,799.6	\$19,355.6	\$92,388.3	\$1,929.2	\$6,141.7	\$0.0	\$75,770.0	\$806.8	\$27,093.7	\$6,124.2	\$2,731.6	\$347,140.7	
<u>Transmission</u>														
	D1	\$117,005.1	\$19,727.4	\$94,163.2	\$1,966.1	\$6,259.6	\$0.0	\$77,225.6	\$822.3	\$27,614.1	\$6,241.9	\$2,784.1	\$353,809.4	
<u>Distribution</u>														
Substations	D2	\$35,153.3	\$5,890.6	\$27,280.2	\$576.4	\$0.0	\$0.0	\$21,478.4	\$228.0	\$7,790.7	\$1,760.8	\$874.0	\$101,032.4	
Primary Lines														
Demand	D2	\$46,380.0	\$7,771.8	\$35,992.4	\$760.5	\$0.0	\$0.0	\$28,337.8	\$300.9	\$10,278.8	\$2,323.1	\$1,153.2	\$133,298.5	
Customer	C1	\$82,262.2	\$11,308.8	\$3,878.2	\$399.2	\$0.0	\$0.0	\$29.4	\$2.9	\$58.8	\$4.9	\$137.4	\$98,081.8	
Subtotal Pri Lines		\$128,642.2	\$19,080.6	\$39,870.6	\$1,159.7	\$0.0	\$0.0	\$28,367.2	\$303.8	\$10,337.6	\$2,328.0	\$1,290.6	\$231,380.3	
Secondary Lines														
Demand	D3	\$27,596.4	\$3,815.8	\$13,864.3	\$332.7	\$0.0	\$0.0	\$3,832.1	\$41.0	\$4,142.5	\$937.0	\$73.8	\$54,635.6	
Customer	C2	\$37,549.6	\$4,227.2	\$1,174.1	\$131.9	\$0.0	\$0.0	\$0.0	\$0.0	\$18.1	\$2.2	\$13.8	\$43,116.9	
Subtotal Sec Lines		\$65,146.0	\$8,043.0	\$15,038.4	\$464.6	\$0.0	\$0.0	\$3,832.1	\$41.0	\$4,160.6	\$939.2	\$87.6	\$97,752.5	
Subtotal Lines		\$193,788.2	\$27,123.6	\$54,909.0	\$1,624.3	\$0.0	\$0.0	\$32,199.3	\$344.8	\$14,498.2	\$3,267.2	\$1,378.2	\$329,132.8	
Line Transformers														
Demand	D3	\$22,036.6	\$3,047.0	\$11,071.1	\$265.7	\$0.0	\$0.0	\$3,060.1	\$32.7	\$3,307.9	\$748.2	\$58.9	\$43,628.2	
Customer	C3	\$21,611.4	\$26,803.7	\$14,597.2	\$1,252.6	\$0.0	\$0.0	\$0.0	\$0.0	\$977.7	\$89.0	\$112.0	\$65,443.6	
Subtotal Transf		\$43,648.0	\$29,850.7	\$25,668.3	\$1,518.3	\$0.0	\$0.0	\$3,060.1	\$32.7	\$4,285.6	\$837.2	\$170.9	\$109,071.8	
Services	C4	\$87,084.6	\$9,282.7	\$6,191.6	\$281.4	\$45.5	\$0.0	\$180.0	\$9.3	\$122.1	\$11.4	\$243.1	\$103,451.7	
Meters	C5	\$9,440.8	\$1,439.0	\$3,584.6	\$53.4	\$48.3	\$0.0	\$276.3	\$14.2	\$76.2	\$6.9	\$58.8	\$14,998.5	
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$10.8	\$10.8	
Total Distribution		\$369,114.9	\$73,586.6	\$117,633.7	\$4,053.8	\$93.8	\$0.0	\$57,194.1	\$629.0	\$26,772.8	\$5,883.5	\$2,735.8	\$657,698.0	
Customer Accts	C6	\$5,319.2	\$673.0	\$215.9	\$19.2	\$0.1	\$0.0	\$5.0	\$0.2	\$5.4	\$0.5	\$10.4	\$6,248.9	
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	
Customer Service	C8	\$1,226.1	\$23.2	\$365.0	\$1.1	\$0.9	\$0.0	\$377.7	\$0.0	\$198.7	\$0.0	\$0.1	\$2,192.8	
Totals														
Demand		\$362,971.0	\$59,608.2	\$274,759.5	\$5,830.6	\$12,401.3	\$0.0	\$209,704.0	\$2,231.7	\$80,227.7	\$18,135.2	\$7,675.6	\$1,033,544.8	
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	
Customer		\$244,493.9	\$53,757.6	\$30,006.6	\$2,138.8	\$94.8	\$0.0	\$868.4	\$26.6	\$1,457.0	\$114.9	\$586.4	\$333,545.0	
Total		\$607,464.9	\$113,365.8	\$304,766.1	\$7,969.4	\$12,496.1	\$0.0	\$210,572.4	\$2,258.3	\$81,684.7	\$18,250.1	\$8,262.0	\$1,367,089.8	
Percent of Total		44.435%	8.292%	22.293%	0.583%	0.914%	0.000%	15.403%	0.165%	5.975%	1.335%	0.604%	99.999%	

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 42 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Property Held For Future Use In \$000s

	Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT			Schedule PD			Schedule PS			Schedule F Street Lighting (\$000s)	Total System (\$000s)
					P - TP	P - TS	P - DP	P - DS	P - Sec	P - Nwk					
					Large Power Trans Pri (\$000s)	Large Power Trans Sec (\$000s)	Large Power Dist Pri (\$000s)	Large Power Dist Sec (\$000s)	Large Power Sec (\$000s)	Large Power Nwk (\$000s)					
<u>Production</u>															
Production - Dmd	D1	\$1,117.8	\$188.5	\$899.6	\$18.8	\$0.0	\$737.7	\$7.9	\$263.8	\$59.6	\$26.8	\$3,380.3			
Production - Enrgy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Total Production		\$1,117.8	\$188.5	\$899.6	\$18.8	\$0.0	\$737.7	\$7.9	\$263.8	\$59.6	\$26.8	\$3,380.3			
<u>Transmission</u>															
D1		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
<u>Distribution</u>															
Substations	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Primary Lines															
Demand	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Customer	C1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Subtotal Pri Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Secondary Lines															
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Customer	C2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Subtotal Sec Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Subtotal Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Line Transformers															
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Customer	C3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Subtotal Transf		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Services															
Meters	C4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Street Lighting	C5	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
C9		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Total Distribution		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Customer Accts	C6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Customer Service	C8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
<u>Totals</u>		\$1,117.8	\$188.5	\$899.6	\$18.8	\$0.0	\$737.7	\$7.9	\$263.8	\$59.6	\$26.8	\$3,380.3			
Demand		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Customer		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
Total		\$1,117.8	\$188.5	\$899.6	\$18.8	\$0.0	\$737.7	\$7.9	\$263.8	\$59.6	\$26.8	\$3,380.3			
Percent of Total		33.068%	5.576%	26.613%	0.556%	1.769%	21.824%	0.234%	7.804%	1.763%	0.792%	99.999%			

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Materials And Supplies Including Inventory In \$000s

		Schedule R/E		Schedule G		Schedule J		Schedule H		Schedule PT		Schedule PD		Schedule PS		Schedule F		Total							
		Residential		Gen Service		Gen Service		Comm		P - TP		P - TS		P - DP		P - DS		P - Sec		P - Nwk		Street		System	
		Service		Non-Dmd		Demand		Service		Large Power		Large Power		Large Power		Large Power		Large Power		Large Power		Lighting		Total	
		(\$000s)		(\$000s)		(\$000s)		(\$000s)		Trans Pri		Trans Sec		Dist Pri		Dist Sec		Sec		Nwk		(\$000s)		(\$000s)	
Production																									
Production - Dmd	D1	\$2,208.4	\$372.3	\$1,777.3	\$37.1	\$118.1	\$0.0	\$1,457.6	\$15.5	\$521.2	\$117.8	\$52.7	\$6,678.0												
Production - Engy	E1	\$14,623.3	\$2,553.6	\$14,183.7	\$278.3	\$1,176.4	\$0.0	\$13,770.5	\$147.0	\$4,661.8	\$1,055.2	\$256.2	\$52,706.0												
Total Production		\$16,831.7	\$2,925.9	\$15,961.0	\$315.4	\$1,294.5	\$0.0	\$15,228.1	\$162.5	\$5,183.0	\$1,173.0	\$308.9	\$59,384.0												
Transmission	D1	\$685.5	\$115.6	\$551.7	\$11.5	\$36.7	\$0.0	\$452.5	\$4.8	\$161.8	\$36.6	\$16.3	\$2,073.0												
Distribution																									
Substations	D2	\$187.0	\$31.3	\$145.1	\$3.1	\$0.0	\$0.0	\$114.3	\$1.2	\$41.4	\$9.4	\$4.6	\$537.4												
Primary Lines																									
Demand	D2	\$320.8	\$53.8	\$248.9	\$5.3	\$0.0	\$0.0	\$196.0	\$2.1	\$71.1	\$16.1	\$8.0	\$922.1												
Customer	C1	\$568.9	\$78.2	\$26.8	\$2.8	\$0.0	\$0.0	\$0.2	\$0.0	\$0.6	\$0.0	\$0.9	\$678.4												
Subtotal Pri Lines		\$889.7	\$132.0	\$275.7	\$8.1	\$0.0	\$0.0	\$196.2	\$2.1	\$71.7	\$16.1	\$8.9	\$1,600.5												
Secondary Lines																									
Demand	D3	\$190.9	\$26.4	\$95.9	\$2.3	\$0.0	\$0.0	\$26.5	\$0.3	\$28.7	\$6.5	\$0.5	\$378.0												
Customer	C2	\$259.7	\$29.2	\$8.1	\$0.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.2	\$0.0	\$0.1	\$298.2												
Subtotal Sec Lines		\$450.6	\$55.6	\$104.0	\$3.2	\$0.0	\$0.0	\$26.5	\$0.3	\$28.9	\$6.5	\$0.6	\$676.2												
Subtotal Lines		\$1,340.3	\$187.6	\$379.7	\$11.3	\$0.0	\$0.0	\$222.7	\$2.4	\$100.6	\$22.6	\$9.5	\$2,276.7												
Line Transformers																									
Demand	D3	\$90.2	\$12.5	\$45.3	\$1.1	\$0.0	\$0.0	\$12.5	\$0.1	\$13.5	\$3.1	\$0.2	\$178.5												
Customer	C3	\$88.4	\$109.7	\$59.7	\$5.1	\$0.0	\$0.0	\$0.0	\$0.0	\$4.0	\$0.4	\$0.5	\$267.8												
Subtotal Transf		\$178.6	\$122.2	\$105.0	\$6.2	\$0.0	\$0.0	\$12.5	\$0.1	\$17.5	\$3.5	\$0.7	\$446.3												
Services	C4	\$617.6	\$65.8	\$43.9	\$2.0	\$0.3	\$0.0	\$1.3	\$0.1	\$0.9	\$0.1	\$1.7	\$733.7												
Meters	C5	\$58.7	\$8.9	\$22.3	\$0.3	\$0.3	\$0.0	\$1.7	\$0.1	\$0.5	\$0.0	\$0.4	\$93.2												
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0												
Total Distribution		\$2,382.2	\$415.8	\$696.0	\$22.9	\$0.6	\$0.0	\$352.5	\$3.9	\$160.9	\$35.6	\$16.9	\$4,087.3												
Customer Accts	C6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0												
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0												
Customer Service	C8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0												
Totals																									
Demand		\$3,682.8	\$611.9	\$2,864.2	\$60.4	\$154.8	\$0.0	\$2,259.4	\$24.0	\$837.7	\$189.5	\$82.3	\$10,767.0												
Energy		\$14,623.3	\$2,553.6	\$14,183.7	\$278.3	\$1,176.4	\$0.0	\$13,770.5	\$147.0	\$4,661.8	\$1,055.2	\$256.2	\$52,706.0												
Customer		\$1,593.3	\$291.8	\$160.8	\$11.1	\$0.6	\$0.0	\$3.2	\$0.2	\$6.2	\$0.5	\$3.6	\$2,071.3												
Total		\$19,899.4	\$3,457.3	\$17,208.7	\$349.8	\$1,331.8	\$0.0	\$16,033.1	\$171.2	\$5,505.7	\$1,245.2	\$342.1	\$65,544.3												
Percent of Total		30.360%	5.275%	26.255%	0.534%	2.032%	0.000%	24.461%	0.261%	8.400%	1.900%	0.522%	100.000%												

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 44 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Working Cash At Present Rates In \$000s

			Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	Schedule PT		Schedule PD		Schedule PS		Schedule F Street Lighting (\$000s)	Total System (\$000s)
							P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)		
<u>Production</u>														
Production - Dmd	D1		\$1,298.7	\$218.9	\$1,045.1	\$21.8	\$69.5	\$0.0	\$857.1	\$9.1	\$306.5	\$69.3	\$30.9	\$3,926.9
Production - Engy	E1		\$4,696.7	\$820.2	\$4,555.5	\$89.4	\$377.8	\$0.0	\$4,422.8	\$47.2	\$1,497.3	\$338.9	\$82.3	\$16,928.1
Total Production			\$5,995.4	\$1,039.1	\$5,600.6	\$111.2	\$447.3	\$0.0	\$5,279.9	\$56.3	\$1,803.8	\$408.2	\$113.2	\$20,855.0
<u>Transmission</u>														
	D1		\$162.4	\$27.4	\$130.7	\$2.7	\$8.7	\$0.0	\$107.2	\$1.1	\$38.3	\$8.7	\$3.9	\$491.1
<u>Distribution</u>														
Substations	D2		\$89.5	\$15.0	\$69.4	\$1.5	\$0.0	\$0.0	\$54.7	\$0.6	\$19.8	\$4.5	\$2.2	\$257.2
Primary Lines														
Demand	D2		\$97.9	\$16.4	\$76.0	\$1.6	\$0.0	\$0.0	\$59.8	\$0.6	\$21.7	\$4.9	\$2.4	\$281.3
Customer	C1		\$173.8	\$23.9	\$8.2	\$0.8	\$0.0	\$0.0	\$0.1	\$0.0	\$0.1	\$0.0	\$0.3	\$207.2
Subtotal Pri Lines			\$271.7	\$40.3	\$84.2	\$2.4	\$0.0	\$0.0	\$59.9	\$0.6	\$21.8	\$4.9	\$2.7	\$488.5
Secondary Lines														
Demand	D3		\$58.3	\$8.1	\$29.3	\$0.7	\$0.0	\$0.0	\$8.1	\$0.1	\$8.7	\$2.0	\$0.2	\$115.5
Customer	C2		\$79.2	\$8.9	\$2.5	\$0.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$90.9
Subtotal Sec Lines			\$137.5	\$17.0	\$31.8	\$1.0	\$0.0	\$0.0	\$8.1	\$0.1	\$8.7	\$2.0	\$0.2	\$206.4
Subtotal Lines			\$409.2	\$57.3	\$116.0	\$3.4	\$0.0	\$0.0	\$68.0	\$0.7	\$30.5	\$6.9	\$2.9	\$694.9
Line Transformers														
Demand	D3		\$15.7	\$2.2	\$7.9	\$0.2	\$0.0	\$0.0	\$2.2	\$0.0	\$2.4	\$0.5	\$0.0	\$31.1
Customer	C3		\$15.4	\$19.1	\$10.4	\$0.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.7	\$0.1	\$0.1	\$46.7
Subtotal Transf			\$31.1	\$21.3	\$18.3	\$1.1	\$0.0	\$0.0	\$2.2	\$0.0	\$3.1	\$0.6	\$0.1	\$77.8
Services	C4		\$16.5	\$1.8	\$1.2	\$0.1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$19.6
Meters	C5		\$75.7	\$11.5	\$28.8	\$0.4	\$0.4	\$0.0	\$2.2	\$0.1	\$0.6	\$0.1	\$0.5	\$120.3
Street Lighting	C9		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$2.2	\$2.2
Total Distribution			\$622.0	\$106.9	\$233.7	\$6.5	\$0.4	\$0.0	\$127.1	\$1.4	\$54.0	\$12.1	\$7.9	\$1,172.0
Customer Accts	C6		\$606.5	\$76.7	\$24.6	\$2.2	\$0.0	\$0.0	\$0.6	\$0.0	\$0.6	\$0.1	\$1.2	\$712.5
Uncollectibles	C7		(\$11.9)	(\$1.6)	(\$2.6)	(\$0.2)	\$0.0	\$0.0	(\$0.6)	\$0.0	(\$1.1)	\$0.0	\$0.0	(\$18.0)
Customer Service	C8		\$148.7	\$2.8	\$44.3	\$0.1	\$0.1	\$0.0	\$45.8	\$0.0	\$24.1	\$0.0	\$0.0	\$265.9
<u>Totals</u>														
Demand			\$1,722.5	\$288.0	\$1,358.4	\$28.5	\$78.2	\$0.0	\$1,089.1	\$11.5	\$397.4	\$89.9	\$39.6	\$5,103.1
Energy			\$4,696.7	\$820.2	\$4,555.5	\$89.4	\$377.8	\$0.0	\$4,422.8	\$47.2	\$1,497.3	\$338.9	\$82.3	\$16,928.1
Customer			\$1,103.9	\$143.1	\$117.4	\$4.6	\$0.5	\$0.0	\$48.1	\$0.1	\$25.0	\$0.3	\$4.3	\$1,447.3
Total			\$7,523.1	\$1,251.3	\$6,031.3	\$122.5	\$456.5	\$0.0	\$5,560.0	\$58.8	\$1,919.7	\$429.1	\$126.2	\$23,478.5
Percent of Total			32.042%	5.330%	25.689%	0.522%	1.944%	0.000%	23.681%	0.250%	8.176%	1.828%	0.538%	100.000%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 45 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Contributions And Customer Advances In \$000s

						Schedule PT		Schedule PP		Schedule PS			
		Schedule R/E	Schedule G	Schedule J	Schedule H	P - TP	P - TS	P - DP	P - DS	P - Sec	P - Nwk	Schedule F	Total
		Residential	Gen Service	Gen Service	Comm	Large Power	Large Power	Large Power	Large Power	Large Power	Large Power	Street	System
		Service	Non-Dmd	Demand	Service	Trans Pri	Trans Sec	Dist Pri	Dist Sec	Sec	Nwk	Lighting	System
		(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
Production													
Production - Dmd	D1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Transmission													
	D1	(\$19,438.5)	(\$3,277.4)	(\$15,643.5)	(\$326.6)	(\$1,039.7)	\$0.0	(\$12,829.5)	(\$136.6)	(\$4,587.3)	(\$1,037.0)	(\$462.5)	(\$58,778.6)
Distribution													
Substations	D2	(\$4,844.8)	(\$811.8)	(\$3,759.8)	(\$79.4)	\$0.0	\$0.0	(\$2,960.2)	(\$31.4)	(\$1,073.7)	(\$242.7)	(\$120.5)	(\$13,924.3)
Primary Lines													
Demand	D2	(\$9,086.7)	(\$1,522.6)	(\$7,051.6)	(\$149.0)	\$0.0	\$0.0	(\$5,551.9)	(\$58.9)	(\$2,013.8)	(\$455.1)	(\$225.9)	(\$26,115.5)
Customer	C1	(\$16,117.2)	(\$2,215.7)	(\$759.8)	(\$78.2)	\$0.0	\$0.0	(\$5.8)	(\$0.6)	(\$11.5)	(\$1.0)	(\$26.9)	(\$19,216.7)
Subtotal Pri Lines		(\$25,203.9)	(\$3,738.3)	(\$7,811.4)	(\$227.2)	\$0.0	\$0.0	(\$5,557.7)	(\$59.5)	(\$2,025.3)	(\$456.1)	(\$252.8)	(\$45,332.2)
Secondary Lines													
Demand	D3	(\$5,406.6)	(\$747.6)	(\$2,716.2)	(\$65.2)	\$0.0	\$0.0	(\$750.8)	(\$8.0)	(\$811.6)	(\$183.6)	(\$14.5)	(\$10,704.1)
Customer	C2	(\$7,357.5)	(\$828.3)	(\$230.0)	(\$25.9)	\$0.0	\$0.0	\$0.0	\$0.0	(\$3.5)	(\$0.4)	(\$2.7)	(\$8,448.3)
Subtotal Sec Lines		(\$12,764.1)	(\$1,575.9)	(\$2,946.2)	(\$91.1)	\$0.0	\$0.0	(\$750.8)	(\$8.0)	(\$815.1)	(\$184.0)	(\$17.2)	(\$19,152.4)
Subtotal Lines		(\$37,968.0)	(\$5,314.2)	(\$10,757.6)	(\$318.3)	\$0.0	\$0.0	(\$6,308.5)	(\$67.5)	(\$2,840.4)	(\$640.1)	(\$270.0)	(\$64,484.6)
Line Transformers													
Demand	D3	(\$2,549.0)	(\$352.5)	(\$1,280.6)	(\$30.7)	\$0.0	\$0.0	(\$354.0)	(\$3.8)	(\$382.6)	(\$86.5)	(\$6.8)	(\$5,046.5)
Customer	C3	(\$2,499.8)	(\$3,100.4)	(\$1,688.5)	(\$144.9)	\$0.0	\$0.0	\$0.0	\$0.0	(\$113.1)	(\$10.3)	(\$12.9)	(\$7,569.9)
Subtotal Transf		(\$5,048.8)	(\$3,452.9)	(\$2,969.1)	(\$175.6)	\$0.0	\$0.0	(\$354.0)	(\$3.8)	(\$495.7)	(\$96.8)	(\$19.7)	(\$12,616.4)
Services	C4	(\$13,327.0)	(\$1,420.6)	(\$947.5)	(\$43.1)	(\$7.0)	\$0.0	(\$27.5)	(\$1.4)	(\$18.7)	(\$1.7)	(\$37.2)	(\$15,831.7)
Meters	C5	(\$1,722.0)	(\$262.5)	(\$653.8)	(\$9.7)	(\$8.8)	\$0.0	(\$50.4)	(\$2.6)	(\$13.9)	(\$1.3)	(\$10.7)	(\$2,735.7)
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Distribution		(\$62,910.6)	(\$11,262.0)	(\$19,087.8)	(\$626.1)	(\$15.8)	\$0.0	(\$9,700.6)	(\$106.7)	(\$4,442.4)	(\$982.6)	(\$458.1)	(\$109,592.7)
Customer Accts	C6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Totals													
Demand		(\$41,325.6)	(\$6,711.9)	(\$30,451.7)	(\$650.9)	(\$1,039.7)	\$0.0	(\$22,446.4)	(\$238.7)	(\$8,869.0)	(\$2,004.9)	(\$830.2)	(\$114,569.0)
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		(\$41,023.5)	(\$7,827.5)	(\$4,279.6)	(\$301.8)	(\$15.8)	\$0.0	(\$83.7)	(\$4.6)	(\$160.7)	(\$14.7)	(\$90.4)	(\$53,802.3)
Total		(\$82,349.1)	(\$14,539.4)	(\$34,731.3)	(\$952.7)	(\$1,055.5)	\$0.0	(\$22,530.1)	(\$243.3)	(\$9,029.7)	(\$2,019.6)	(\$920.6)	(\$168,371.3)
Percent of Total		48.909%	8.635%	20.628%	0.566%	0.627%	0.000%	13.381%	0.145%	5.363%	1.199%	0.547%	100.000%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 46 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Deferred Income Taxes In \$000s

		Schedule R/E		Schedule G	Schedule J	Schedule H	Schedule PT		Schedule PP		Schedule PS		Schedule F	Total
		Residential	Gen Service	Gen Service	Comm		P - TP	P - TS	P - DP	P - DS	P - Sec	P - Nwk	Street	System
		Service	Non-Dmd	Demand	Service		Large Power	Large Power	Large Power	Large Power	Large Power	Large Power	Lighting	
		(\$000s)	(\$000s)	(\$000s)	(\$000s)		Trans Pri	Trans Sec	Dist Pri	Dist Sec	Sec	Nwk	(\$000s)	(\$000s)
Production														
Production - Dmd	D1	(\$15,176.8)	(\$2,558.8)	(\$12,214.0)	(\$255.0)		(\$811.9)	\$0.0	(\$10,017.0)	(\$106.7)	(\$3,581.8)	(\$809.6)	(\$361.0)	(\$45,892.6)
Production - Engy	E1	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		(\$15,176.8)	(\$2,558.8)	(\$12,214.0)	(\$255.0)		(\$811.9)	\$0.0	(\$10,017.0)	(\$106.7)	(\$3,581.8)	(\$809.6)	(\$361.0)	(\$45,892.6)
Transmission														
Substations	D1	(\$12,028.1)	(\$2,028.0)	(\$9,680.0)	(\$202.1)		(\$643.5)	\$0.0	(\$7,938.8)	(\$84.5)	(\$2,838.7)	(\$641.7)	(\$286.2)	(\$36,371.6)
Distribution														
Primary Lines														
Demand	D2	(\$5,660.5)	(\$948.5)	(\$4,392.7)	(\$92.8)		\$0.0	\$0.0	(\$3,458.5)	(\$36.7)	(\$1,254.5)	(\$283.5)	(\$140.7)	(\$16,268.4)
Customer	C1	(\$10,039.8)	(\$1,380.2)	(\$473.3)	(\$48.7)		\$0.0	\$0.0	(\$3.6)	(\$0.4)	(\$7.2)	(\$0.6)	(\$16.8)	(\$11,970.6)
Subtotal Pri Lines		(\$15,700.3)	(\$2,328.7)	(\$4,866.0)	(\$141.5)		\$0.0	\$0.0	(\$3,462.1)	(\$37.1)	(\$1,261.7)	(\$284.1)	(\$157.5)	(\$28,239.0)
Secondary Lines														
Demand	D3	(\$3,368.1)	(\$465.7)	(\$1,692.1)	(\$40.6)		\$0.0	\$0.0	(\$467.7)	(\$5.0)	(\$505.6)	(\$114.4)	(\$9.0)	(\$6,668.2)
Customer	C2	(\$4,582.7)	(\$515.9)	(\$143.3)	(\$16.1)		\$0.0	\$0.0	\$0.0	\$0.0	(\$2.2)	(\$0.3)	(\$1.7)	(\$5,262.2)
Subtotal Sec Lines		(\$7,950.8)	(\$981.6)	(\$1,835.4)	(\$56.7)		\$0.0	\$0.0	(\$467.7)	(\$5.0)	(\$507.8)	(\$114.7)	(\$10.7)	(\$11,930.4)
Subtotal Lines		(\$23,651.1)	(\$3,310.3)	(\$6,701.4)	(\$198.2)		\$0.0	\$0.0	(\$3,929.8)	(\$42.1)	(\$1,769.5)	(\$398.8)	(\$168.2)	(\$40,169.4)
Line Transformers														
Demand	D3	(\$1,573.9)	(\$217.6)	(\$790.7)	(\$19.0)		\$0.0	\$0.0	(\$218.6)	(\$2.3)	(\$236.3)	(\$53.4)	(\$4.2)	(\$3,116.0)
Customer	C3	(\$1,543.6)	(\$1,914.5)	(\$1,042.6)	(\$89.5)		\$0.0	\$0.0	\$0.0	\$0.0	(\$69.8)	(\$6.4)	(\$7.9)	(\$4,674.3)
Subtotal Transf		(\$3,117.5)	(\$2,132.1)	(\$1,833.3)	(\$108.5)		\$0.0	\$0.0	(\$218.6)	(\$2.3)	(\$306.1)	(\$59.8)	(\$12.1)	(\$7,790.3)
Services	C4	(\$10,671.0)	(\$1,137.5)	(\$758.7)	(\$34.5)		(\$5.6)	\$0.0	(\$22.1)	(\$1.1)	(\$15.0)	(\$1.4)	(\$29.8)	(\$12,676.7)
Meters	C5	(\$1,068.1)	(\$162.8)	(\$405.6)	(\$6.0)		(\$5.5)	\$0.0	(\$31.3)	(\$1.6)	(\$8.6)	(\$0.8)	(\$6.7)	(\$1,697.0)
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	(\$1.2)	(\$1.2)
Total Distribution		(\$41,836.2)	(\$7,300.5)	(\$12,282.1)	(\$401.8)		(\$11.1)	\$0.0	(\$6,235.5)	(\$68.7)	(\$2,836.9)	(\$627.5)	(\$300.8)	(\$71,901.1)
Customer Accts	C6	(\$576.7)	(\$73.0)	(\$23.4)	(\$2.1)		\$0.0	\$0.0	(\$0.5)	\$0.0	(\$0.6)	(\$0.1)	(\$1.3)	(\$677.7)
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	(\$133.0)	(\$2.5)	(\$39.6)	(\$0.1)		(\$0.1)	\$0.0	(\$41.0)	\$0.0	(\$21.5)	\$0.0	(\$0.1)	(\$237.9)
Totals														
Demand		(\$41,135.9)	(\$6,776.4)	(\$31,352.6)	(\$664.1)		(\$1,455.4)	\$0.0	(\$24,134.3)	(\$256.8)	(\$9,154.6)	(\$2,069.3)	(\$883.9)	(\$117,883.3)
Energy		\$0.0	\$0.0	\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		(\$28,614.9)	(\$5,186.4)	(\$2,886.5)	(\$197.0)		(\$11.2)	\$0.0	(\$98.5)	(\$3.1)	(\$124.9)	(\$9.6)	(\$65.5)	(\$37,197.6)
Total		(\$69,750.8)	(\$11,962.8)	(\$34,239.1)	(\$861.1)		(\$1,466.6)	\$0.0	(\$24,232.8)	(\$259.9)	(\$9,279.5)	(\$2,078.9)	(\$949.4)	(\$155,080.9)
Percent of Total		44.977%	7.714%	22.078%	0.555%		0.946%	0.000%	15.626%	0.168%	5.984%	1.341%	0.612%	100.001%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 47 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Unamortized Investment Tax Credits In \$000s

						Schedule PT		Schedule PP		Schedule PS			
		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
<u>Production</u>													
Production - Dmd	D1	(\$2,930.0)	(\$494.0)	(\$2,358.0)	(\$49.2)	(\$156.7)	\$0.0	(\$1,933.8)	(\$20.6)	(\$691.5)	(\$156.3)	(\$69.8)	(\$8,859.9)
Production - Enrgy	E1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Production		(\$2,930.0)	(\$494.0)	(\$2,358.0)	(\$49.2)	(\$156.7)	\$0.0	(\$1,933.8)	(\$20.6)	(\$691.5)	(\$156.3)	(\$69.8)	(\$8,859.9)
<u>Transmission</u>													
	D1	(\$2,320.3)	(\$391.2)	(\$1,867.3)	(\$39.0)	(\$124.1)	\$0.0	(\$1,531.4)	(\$16.3)	(\$547.6)	(\$123.8)	(\$55.2)	(\$7,016.2)
<u>Distribution</u>													
Substations	D2	(\$642.5)	(\$107.7)	(\$498.6)	(\$10.5)	\$0.0	\$0.0	(\$392.6)	(\$4.2)	(\$142.4)	(\$32.2)	(\$16.0)	(\$1,846.7)
Primary Lines													
Demand	D2	(\$1,092.3)	(\$183.0)	(\$847.6)	(\$17.9)	\$0.0	\$0.0	(\$667.4)	(\$7.1)	(\$242.1)	(\$54.7)	(\$27.2)	(\$3,139.3)
Customer	C1	(\$1,937.2)	(\$266.3)	(\$91.3)	(\$9.4)	\$0.0	\$0.0	(\$0.7)	(\$0.1)	(\$1.4)	(\$0.1)	(\$3.2)	(\$2,309.7)
Subtotal Pri Lines		(\$3,029.5)	(\$449.3)	(\$938.9)	(\$27.3)	\$0.0	\$0.0	(\$668.1)	(\$7.2)	(\$243.5)	(\$54.8)	(\$30.4)	(\$5,449.0)
Secondary Lines													
Demand	D3	(\$650.0)	(\$89.9)	(\$326.5)	(\$7.8)	\$0.0	\$0.0	(\$90.3)	(\$1.0)	(\$97.6)	(\$22.1)	(\$1.7)	(\$1,286.9)
Customer	C2	(\$884.2)	(\$99.5)	(\$27.6)	(\$3.1)	\$0.0	\$0.0	\$0.0	\$0.0	(\$0.4)	(\$0.1)	(\$0.3)	(\$1,015.2)
Subtotal Sec Lines		(\$1,534.2)	(\$189.4)	(\$354.1)	(\$10.9)	\$0.0	\$0.0	(\$90.3)	(\$1.0)	(\$98.0)	(\$22.2)	(\$2.0)	(\$2,302.1)
Subtotal Lines		(\$4,563.7)	(\$638.7)	(\$1,293.0)	(\$38.2)	\$0.0	\$0.0	(\$758.4)	(\$8.2)	(\$341.5)	(\$77.0)	(\$32.4)	(\$7,751.1)
Line Transformers													
Demand	D3	(\$303.6)	(\$42.0)	(\$152.5)	(\$3.7)	\$0.0	\$0.0	(\$42.2)	(\$0.5)	(\$45.6)	(\$10.3)	(\$0.8)	(\$601.2)
Customer	C3	(\$297.7)	(\$369.3)	(\$201.1)	(\$17.3)	\$0.0	\$0.0	\$0.0	\$0.0	(\$13.5)	(\$1.2)	(\$1.5)	(\$901.6)
Subtotal Transf		(\$601.3)	(\$411.3)	(\$353.6)	(\$21.0)	\$0.0	\$0.0	(\$42.2)	(\$0.5)	(\$59.1)	(\$11.5)	(\$2.3)	(\$1,502.8)
Services	C4	(\$2,061.7)	(\$219.8)	(\$146.6)	(\$6.7)	(\$1.1)	\$0.0	(\$4.3)	(\$0.2)	(\$2.9)	(\$0.3)	(\$5.8)	(\$2,449.4)
Meters	C5	(\$206.1)	(\$31.4)	(\$78.3)	(\$1.2)	(\$1.1)	\$0.0	(\$6.0)	(\$0.3)	(\$1.7)	(\$0.2)	(\$1.3)	(\$327.6)
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	(\$0.2)	(\$0.2)
Total Distribution		(\$8,075.3)	(\$1,408.9)	(\$2,370.1)	(\$77.6)	(\$2.2)	\$0.0	(\$1,203.5)	(\$13.4)	(\$547.6)	(\$121.2)	(\$58.0)	(\$13,877.8)
Customer Accts	C6	(\$111.3)	(\$14.1)	(\$4.5)	(\$0.4)	\$0.0	\$0.0	(\$0.1)	\$0.0	(\$0.1)	\$0.0	(\$0.2)	(\$130.7)
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	(\$25.7)	(\$0.5)	(\$7.6)	\$0.0	\$0.0	\$0.0	(\$7.9)	\$0.0	(\$4.2)	\$0.0	\$0.0	(\$45.9)
Totals													
Demand		(\$7,938.7)	(\$1,307.8)	(\$6,050.5)	(\$128.1)	(\$280.8)	\$0.0	(\$4,657.7)	(\$49.7)	(\$1,766.8)	(\$399.4)	(\$170.7)	(\$22,750.2)
Energy		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer		(\$5,523.9)	(\$1,000.9)	(\$557.0)	(\$38.1)	(\$2.2)	\$0.0	(\$19.0)	(\$0.6)	(\$24.2)	(\$1.9)	(\$12.5)	(\$7,180.3)
Total		(\$13,462.6)	(\$2,308.7)	(\$6,607.5)	(\$166.2)	(\$283.0)	\$0.0	(\$4,676.7)	(\$50.3)	(\$1,791.0)	(\$401.3)	(\$183.2)	(\$29,930.5)
Percent of Total		44.980%	7.714%	22.076%	0.555%	0.946%	0.000%	15.625%	0.168%	5.984%	1.341%	0.611%	100.000%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 48 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Miscellaneous Rate Base Items In \$000s

						Schedule PT		Schedule PP		Schedule PS			
		Schedule R/E Residential Service (\$000s)	Schedule G Gen Service Non-Dmd (\$000s)	Schedule J Gen Service Demand (\$000s)	Schedule H Comm Service (\$000s)	P - TP Large Power Trans Pri (\$000s)	P - TS Large Power Trans Sec (\$000s)	P - DP Large Power Dist Pri (\$000s)	P - DS Large Power Dist Sec (\$000s)	P - Sec Large Power Sec (\$000s)	P - Nwk Large Power Nwk (\$000s)	Schedule F Street Lighting (\$000s)	Total System (\$000s)
<u>Production</u>													
Production - Dmd	D1	\$14,970.1	\$2,524.0	\$12,047.6	\$251.6	\$800.9	\$0.0	\$9,880.5	\$105.2	\$3,533.1	\$798.6	\$356.2	\$45,267.8
Production - Engy	E1	\$250.6	\$43.8	\$243.0	\$4.8	\$20.2	\$0.0	\$236.0	\$2.5	\$79.9	\$18.1	\$4.4	\$903.3
Total Production		\$15,220.7	\$2,567.8	\$12,290.6	\$256.4	\$821.1	\$0.0	\$10,116.5	\$107.7	\$3,613.0	\$816.7	\$360.6	\$46,171.1
<u>Transmission</u>													
	D1	\$5,679.6	\$957.6	\$4,570.8	\$95.4	\$303.8	\$0.0	\$3,748.6	\$39.9	\$1,340.4	\$303.0	\$135.1	\$17,174.2
<u>Distribution</u>													
Substations	D2	\$2,005.0	\$336.0	\$1,556.0	\$32.9	\$0.0	\$0.0	\$1,225.0	\$13.0	\$444.4	\$100.4	\$49.9	\$5,762.6
Primary Lines													
Demand	D2	\$2,875.3	\$481.8	\$2,231.4	\$47.1	\$0.0	\$0.0	\$1,756.8	\$18.7	\$637.2	\$144.0	\$71.5	\$8,263.8
Customer	C1	\$5,099.5	\$701.0	\$240.4	\$24.7	\$0.0	\$0.0	\$1.8	\$0.2	\$3.6	\$0.3	\$8.5	\$6,080.0
Subtotal Pri Lines		\$7,974.8	\$1,182.8	\$2,471.8	\$71.8	\$0.0	\$0.0	\$1,758.6	\$18.9	\$640.8	\$144.3	\$80.0	\$14,343.8
Secondary Lines													
Demand	D3	\$1,710.9	\$236.6	\$859.6	\$20.6	\$0.0	\$0.0	\$237.6	\$2.5	\$256.8	\$58.1	\$4.6	\$3,387.3
Customer	C2	\$2,327.8	\$262.1	\$72.8	\$8.2	\$0.0	\$0.0	\$0.0	\$0.0	\$1.1	\$0.1	\$0.9	\$2,673.0
Subtotal Sec Lines		\$4,038.7	\$498.7	\$932.4	\$28.8	\$0.0	\$0.0	\$237.6	\$2.5	\$257.9	\$58.2	\$5.5	\$6,060.3
Subtotal Lines		\$12,013.5	\$1,681.5	\$3,404.2	\$100.6	\$0.0	\$0.0	\$1,996.2	\$21.4	\$898.7	\$202.5	\$85.5	\$20,404.1
Line Transformers													
Demand	D3	\$693.9	\$95.9	\$348.6	\$8.4	\$0.0	\$0.0	\$96.4	\$1.0	\$104.2	\$23.6	\$1.9	\$1,373.9
Customer	C3	\$680.5	\$844.0	\$459.7	\$39.4	\$0.0	\$0.0	\$0.0	\$0.0	\$30.8	\$2.8	\$3.5	\$2,060.7
Subtotal Transf		\$1,374.4	\$939.9	\$808.3	\$47.8	\$0.0	\$0.0	\$96.4	\$1.0	\$135.0	\$26.4	\$5.4	\$3,434.6
Services	C4	\$3,822.9	\$407.5	\$271.8	\$12.4	\$2.0	\$0.0	\$7.9	\$0.4	\$5.4	\$0.5	\$10.7	\$4,541.5
Meters	C5	\$1,147.9	\$175.0	\$435.9	\$6.5	\$5.9	\$0.0	\$33.6	\$1.7	\$9.3	\$0.8	\$7.1	\$1,823.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$23.8	\$23.8
Total Distribution		\$20,363.7	\$3,539.9	\$6,476.2	\$200.2	\$7.9	\$0.0	\$3,359.1	\$37.5	\$1,492.8	\$330.6	\$182.4	\$35,990.3
Customer Accts	C6	\$6,248.4	\$790.6	\$253.6	\$22.6	\$0.1	\$0.0	\$5.9	\$0.3	\$6.4	\$0.6	\$12.3	\$7,340.8
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$1,541.8	\$29.2	\$458.9	\$1.4	\$1.1	\$0.0	\$475.0	\$0.0	\$249.9	\$0.0	\$0.3	\$2,757.6
Totals													
Demand		\$27,934.8	\$4,631.9	\$21,614.0	\$456.0	\$1,104.7	\$0.0	\$16,944.9	\$180.3	\$6,316.1	\$1,427.7	\$619.2	\$81,229.6
Energy		\$250.6	\$43.8	\$243.0	\$4.8	\$20.2	\$0.0	\$236.0	\$2.5	\$79.9	\$18.1	\$4.4	\$903.3
Customer		\$20,868.8	\$3,209.4	\$2,193.1	\$115.2	\$9.1	\$0.0	\$524.2	\$2.6	\$306.5	\$5.1	\$67.1	\$27,301.1
Total		\$49,054.2	\$7,885.1	\$24,050.1	\$576.0	\$1,134.0	\$0.0	\$17,705.1	\$185.4	\$6,702.5	\$1,450.9	\$690.7	\$109,434.0
<u>Percent of Total</u>													
Percent of Total		44.825%	7.205%	21.977%	0.526%	1.036%	0.000%	16.179%	0.169%	6.125%	1.326%	0.631%	99.999%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 49 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule R/E - Residential Service

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 50 OF 161

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$77,677.4	\$6,701.7	-\$124.1	\$8,503.5	\$1,160.4	-\$308.5	\$2,470.1	\$96,080.5
Energy	E1	\$227,827.9	\$0.0	\$0.0	\$22,220.9	\$26.3	-\$51.9	\$415.7	\$250,438.9
Total Production		\$305,505.3	\$6,701.7	-\$124.1	\$30,724.4	\$1,186.7	-\$360.4	\$2,885.8	\$346,519.4
<u>Transmission</u>									
	D1	\$4,578.1	\$4,973.5	-\$57.7	\$1,084.1	\$171.7	-\$238.1	\$1,906.3	\$12,417.9
<u>Distribution</u>									
Substations	D2	\$2,410.2	\$1,404.2	-\$20.3	\$424.2	\$95.2	-\$75.9	\$607.9	\$4,845.5
Primary Lines									
Demand	D2	\$2,935.3	\$3,314.1	-\$34.2	\$669.1	\$102.7	-\$89.8	\$718.7	\$7,615.9
Customer	C1	\$5,206.2	\$5,878.1	-\$60.8	\$1,186.8	\$182.0	-\$159.2	\$1,274.7	\$13,507.8
Subtotal Pri Lines		\$8,141.5	\$9,192.2	-\$95.0	\$1,855.9	\$284.7	-\$249.0	\$1,993.4	\$21,123.7
Secondary Lines									
Demand	D3	\$1,746.4	\$1,971.9	-\$20.4	\$398.2	\$61.1	-\$53.4	\$427.6	\$4,531.4
Customer	C2	\$2,376.2	\$2,683.2	-\$27.7	\$541.9	\$83.1	-\$72.7	\$581.8	\$6,165.8
Subtotal Sec Lines		\$4,122.6	\$4,655.1	-\$48.1	\$940.1	\$144.2	-\$126.1	\$1,009.4	\$10,697.2
Subtotal Lines		\$12,264.1	\$13,847.3	-\$143.1	\$2,796.0	\$428.9	-\$375.1	\$3,002.8	\$31,820.9
Line Transformers									
Demand	D3	\$407.3	\$1,442.1	-\$11.7	\$210.0	\$16.7	-\$48.8	\$391.1	\$2,406.7
Customer	C3	\$399.7	\$1,414.3	-\$11.4	\$205.8	\$16.4	-\$47.9	\$383.4	\$2,360.3
Subtotal Transf		\$807.0	\$2,856.4	-\$23.1	\$415.8	\$33.1	-\$96.7	\$774.5	\$4,767.0
Services	C4	\$613.8	\$6,557.1	-\$116.3	\$792.9	\$16.6	-\$173.7	\$1,390.9	\$9,081.3
Meters	C5	\$1,319.7	\$480.0	-\$9.1	\$195.1	\$84.3	-\$20.5	\$164.1	\$2,213.6
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$17,414.8	\$25,145.0	-\$311.9	\$4,624.0	\$658.1	-\$741.9	\$5,940.2	\$52,728.3
Customer Accts	C6	\$13,552.4	\$587.3	-\$3.6	\$1,459.3	\$659.0	-\$30.5	\$244.0	\$16,467.9
Uncollectibles	C7	\$935.6	\$0.0	\$0.0	\$91.2	\$0.0	\$0.0	-\$0.2	\$1,026.6
Customer Service	C8	\$3,129.0	\$135.4	-\$0.8	\$338.0	\$162.6	-\$7.3	\$58.6	\$3,815.5
Total		\$345,115.2	\$37,542.9	-\$498.1	\$38,321.0	\$2,838.1	-\$1,378.2	\$11,034.7	\$432,975.6
Demand									
Energy		\$89,754.7	\$19,807.5	-\$268.4	\$11,289.1	\$1,607.8	-\$814.5	\$6,521.7	\$127,897.9
Customer		\$227,827.9	\$0.0	\$0.0	\$22,220.9	\$26.3	-\$51.9	\$415.7	\$250,438.9
Total Expense		\$27,532.6	\$17,735.4	-\$229.7	\$4,811.0	\$1,204.0	-\$511.8	\$4,097.3	\$54,638.8
Total Expense		\$345,115.2	\$37,542.9	-\$498.1	\$38,321.0	\$2,838.1	-\$1,378.2	\$11,034.7	\$432,975.6

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule G - General Service Non-Demand

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 51 OF 161

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$13,096.6	\$1,129.9	-\$20.9	\$1,551.4	\$195.6	\$416.9	\$1,152.7	\$17,522.2
Energy	E1	\$39,784.7	\$0.0	\$0.0	\$3,900.6	\$4.6	\$72.7	\$200.9	\$43,963.5
Total Production		\$52,881.3	\$1,129.9	-\$20.9	\$5,452.0	\$200.2	\$489.6	\$1,353.6	\$61,485.7
<u>Transmission</u>									
	D1	\$771.9	\$838.5	-\$9.7	\$273.7	\$28.9	\$321.8	\$889.5	\$3,114.6
<u>Distribution</u>									
Substations	D2	\$403.8	\$235.3	-\$3.4	\$99.9	\$16.0	\$102.0	\$281.9	\$1,135.5
Primary Lines									
Demand	D2	\$491.9	\$555.3	-\$5.7	\$146.2	\$17.2	\$120.6	\$333.3	\$1,658.8
Customer	C1	\$715.7	\$808.1	-\$8.4	\$212.7	\$25.0	\$175.4	\$485.0	\$2,413.5
Subtotal Pri Lines		\$1,207.6	\$1,363.4	-\$14.1	\$358.9	\$42.2	\$296.0	\$818.3	\$4,072.3
Secondary Lines									
Demand	D3	\$241.5	\$272.7	-\$2.8	\$71.7	\$8.4	\$59.2	\$163.7	\$814.4
Customer	C2	\$267.7	\$302.1	-\$3.1	\$79.5	\$9.4	\$65.6	\$181.3	\$902.5
Subtotal Sec Lines		\$509.2	\$574.8	-\$5.9	\$151.2	\$17.8	\$124.8	\$345.0	\$1,716.9
Subtotal Lines		\$1,716.8	\$1,938.2	-\$20.0	\$510.1	\$60.0	\$420.8	\$1,163.3	\$5,789.2
Line Transformers									
Demand	D3	\$56.3	\$199.4	-\$1.6	\$44.3	\$2.3	\$54.1	\$149.6	\$504.4
Customer	C3	\$495.7	\$1,754.1	-\$14.2	\$389.8	\$20.4	\$476.2	\$1,316.4	\$4,438.4
Subtotal Transf		\$552.0	\$1,953.5	-\$15.8	\$434.1	\$22.7	\$530.3	\$1,466.0	\$4,942.8
Services	C4	\$65.5	\$698.9	-\$12.4	\$126.4	\$1.8	\$148.4	\$410.4	\$1,439.0
Meters	C5	\$201.2	\$73.2	-\$1.4	\$36.8	\$12.8	\$25.0	\$69.2	\$416.8
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$2,939.3	\$4,899.1	-\$53.0	\$1,207.3	\$113.3	\$1,226.5	\$3,390.8	\$13,723.3
Customer Accts	C6	\$1,714.7	\$74.3	-\$0.5	\$193.4	\$83.4	\$30.9	\$85.4	\$2,181.6
Uncollectibles	C7	\$128.1	\$0.0	\$0.0	\$12.4	\$0.0	\$0.0	-\$0.1	\$140.4
Customer Service	C8	\$59.3	\$2.6	\$0.0	\$6.7	\$3.1	\$1.1	\$3.1	\$75.9
Total		\$58,494.6	\$6,944.4	-\$84.1	\$7,145.5	\$428.9	\$2,069.9	\$5,722.3	\$80,721.5
Demand									
Energy		\$15,062.0	\$3,231.1	-\$44.1	\$2,187.2	\$268.4	\$1,074.6	\$2,970.7	\$24,749.9
Customer		\$39,784.7	\$0.0	\$0.0	\$3,900.6	\$4.6	\$72.7	\$200.9	\$43,963.5
Total Expense		\$3,647.9	\$3,713.3	-\$40.0	\$1,057.7	\$155.9	\$922.6	\$2,550.7	\$12,008.1
Total Expense		\$58,494.6	\$6,944.4	-\$84.1	\$7,145.5	\$428.9	\$2,069.9	\$5,722.3	\$80,721.5

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 52 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule J - General Service - Demand - Total Class

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$62,513.2	\$5,393.5	-\$99.9	\$7,527.8	\$933.8	\$2,501.7	\$6,305.5	\$85,075.6
Energy	E1	\$220,979.6	\$0.0	\$0.0	\$21,674.9	\$25.5	\$507.4	\$1,278.9	\$244,466.3
Total Production		\$283,492.8	\$5,393.5	-\$99.9	\$29,202.7	\$959.3	\$3,009.1	\$7,584.4	\$329,541.9
<u>Transmission</u>									
	D1	\$3,684.4	\$4,002.5	-\$46.4	\$1,404.6	\$138.2	\$1,930.8	\$4,866.5	\$15,980.6
<u>Distribution</u>									
Substations	D2	\$1,870.3	\$1,089.7	-\$15.7	\$492.8	\$73.9	\$593.7	\$1,496.4	\$5,601.1
Primary Lines									
Demand	D2	\$2,277.9	\$2,571.9	-\$26.6	\$712.4	\$79.7	\$701.9	\$1,769.1	\$8,086.3
Customer	C1	\$245.5	\$277.1	-\$2.9	\$76.8	\$8.6	\$75.6	\$190.6	\$871.3
Subtotal Pri Lines		\$2,523.4	\$2,849.0	-\$29.5	\$789.2	\$88.3	\$777.5	\$1,959.7	\$8,957.6
Secondary Lines									
Demand	D3	\$877.6	\$990.7	-\$10.2	\$274.6	\$30.7	\$270.4	\$681.4	\$3,115.2
Customer	C2	\$74.3	\$83.9	-\$0.9	\$23.4	\$2.6	\$22.9	\$57.7	\$263.9
Subtotal Sec Lines		\$951.9	\$1,074.6	-\$11.1	\$298.0	\$33.3	\$293.3	\$739.1	\$3,379.1
Subtotal Lines		\$3,475.3	\$3,923.6	-\$40.6	\$1,087.2	\$121.6	\$1,070.8	\$2,698.8	\$12,336.7
Line Transformers									
Demand	D3	\$204.6	\$724.5	-\$5.9	\$173.7	\$8.4	\$247.2	\$623.1	\$1,975.6
Customer	C3	\$270.0	\$955.3	-\$7.7	\$228.8	\$11.1	\$326.0	\$821.6	\$2,605.1
Subtotal Transf		\$474.6	\$1,679.8	-\$13.6	\$402.5	\$19.5	\$573.2	\$1,444.7	\$4,580.7
Services	C4	\$43.6	\$466.2	-\$8.3	\$90.7	\$1.2	\$124.4	\$313.6	\$1,031.4
Meters	C5	\$501.1	\$182.3	-\$3.5	\$95.6	\$32.0	\$78.5	\$197.7	\$1,083.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$6,364.9	\$7,341.6	-\$81.7	\$2,168.8	\$248.2	\$2,440.6	\$6,151.2	\$24,633.6
Customer Accts	C6	\$550.1	\$23.8	-\$0.1	\$62.6	\$26.8	\$12.5	\$31.4	\$707.1
Uncollectibles	C7	\$200.1	\$0.0	\$0.0	\$19.4	\$0.0	-\$0.1	-\$0.2	\$219.2
Customer Service	C8	\$931.4	\$40.3	-\$0.2	\$106.5	\$48.4	\$21.9	\$55.3	\$1,203.6
Total		\$295,223.7	\$16,801.7	-\$228.3	\$32,964.6	\$1,420.9	\$7,414.8	\$18,688.6	\$372,286.0
Demand									
Energy		\$71,428.0	\$14,772.8	-\$204.7	\$10,585.9	\$1,264.7	\$6,245.7	\$15,742.0	\$119,834.4
Customer		\$220,979.6	\$0.0	\$0.0	\$21,674.9	\$25.5	\$507.4	\$1,278.9	\$244,466.3
Total Expense		\$281,617.6	\$14,772.8	-\$204.7	\$32,260.8	\$1,290.2	\$6,753.1	\$17,020.9	\$144,300.7
Energy									
Customer		\$220,979.6	\$0.0	\$0.0	\$21,674.9	\$25.5	\$507.4	\$1,278.9	\$244,466.3
Total Expense		\$220,979.6	\$0.0	\$0.0	\$21,674.9	\$25.5	\$507.4	\$1,278.9	\$244,466.3
Customer									
Total Expense		\$281,617.6	\$14,772.8	-\$204.7	\$32,260.8	\$1,290.2	\$6,753.1	\$17,020.9	\$144,300.7

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 53 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule H - Commercial Cooking, Heating, Cooling, & Refrigeration Service

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$1,305.2	\$112.6	-\$2.1	\$146.1	\$19.5	\$8.0	\$62.2	\$1,651.5
Energy	E1	\$4,335.7	\$0.0	\$0.0	\$423.1	\$0.5	\$1.5	\$11.9	\$4,772.7
Total Production		\$5,640.9	\$112.6	-\$2.1	\$569.2	\$20.0	\$9.5	\$74.1	\$6,424.2
<u>Transmission</u>									
	D1	\$76.9	\$83.6	-\$1.0	\$20.8	\$2.9	\$6.2	\$48.0	\$237.4
<u>Distribution</u>									
Substations	D2	\$39.5	\$23.0	-\$0.3	\$7.8	\$1.6	\$1.9	\$14.9	\$88.4
Primary Lines									
Demand	D2	\$48.1	\$54.3	-\$0.6	\$11.9	\$1.7	\$2.3	\$17.7	\$135.4
Customer	C1	\$25.3	\$28.5	-\$0.3	\$6.3	\$0.9	\$1.2	\$9.3	\$71.2
Subtotal Pri Lines		\$73.4	\$82.8	-\$0.9	\$18.2	\$2.6	\$3.5	\$27.0	\$206.6
Secondary Lines									
Demand	D3	\$21.0	\$23.8	-\$0.2	\$5.2	\$0.7	\$1.0	\$7.7	\$59.2
Customer	C2	\$8.3	\$9.4	-\$0.1	\$2.1	\$0.3	\$0.4	\$3.1	\$23.5
Subtotal Sec Lines		\$29.3	\$33.2	-\$0.3	\$7.3	\$1.0	\$1.4	\$10.8	\$82.7
Subtotal Lines		\$102.7	\$116.0	-\$1.2	\$25.5	\$3.6	\$4.9	\$37.8	\$289.3
Line Transformers									
Demand	D3	\$4.9	\$17.4	-\$0.1	\$2.9	\$0.2	\$0.9	\$7.1	\$33.3
Customer	C3	\$23.1	\$82.0	-\$0.7	\$13.7	\$1.0	\$4.3	\$33.3	\$156.7
Subtotal Transf		\$28.0	\$99.4	-\$0.8	\$16.6	\$1.2	\$5.2	\$40.4	\$190.0
Services	C4	\$2.0	\$21.2	-\$0.4	\$2.9	\$0.1	\$0.9	\$6.7	\$33.4
Meters	C5	\$7.5	\$2.7	-\$0.1	\$1.2	\$0.5	\$0.2	\$1.4	\$13.4
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$179.7	\$262.3	-\$2.8	\$54.0	\$7.0	\$13.1	\$101.2	\$614.5
Customer Accts	C6	\$49.0	\$2.1	\$0.0	\$5.3	\$2.4	\$0.2	\$1.3	\$60.3
Uncollectibles	C7	\$13.0	\$0.0	\$0.0	\$1.3	\$0.0	\$0.0	\$0.0	\$14.3
Customer Service	C8	\$2.9	\$0.1	\$0.0	\$0.3	\$0.2	\$0.0	\$0.1	\$3.6
Total		\$5,962.4	\$460.7	-\$5.9	\$650.9	\$32.5	\$29.0	\$224.7	\$7,354.3
Demand		\$1,495.6	\$314.7	-\$4.3	\$194.7	\$26.6	\$20.3	\$157.6	\$2,205.2
Energy		\$4,335.7	\$0.0	\$0.0	\$423.1	\$0.5	\$1.5	\$11.9	\$4,772.7
Customer		\$131.1	\$146.0	-\$1.6	\$33.1	\$5.4	\$7.2	\$55.2	\$376.4
Total Expense		\$5,962.4	\$460.7	-\$5.9	\$650.9	\$32.5	\$29.0	\$224.7	\$7,354.3

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule PS - Large Power Service - Secondary

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 54 OF 161

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$22,476.4	\$1,939.1	-\$35.9	\$2,648.3	\$335.8	\$667.8	\$1,904.0	\$29,935.5
Energy	E1	\$89,070.2	\$0.0	\$0.0	\$8,721.2	\$8.5	\$151.8	\$432.9	\$98,384.6
Total Production		\$111,546.6	\$1,939.1	-\$35.9	\$11,369.5	\$344.3	\$819.6	\$2,336.9	\$128,320.1
<u>Transmission</u>									
	D1	\$1,324.6	\$1,439.1	-\$16.7	\$460.2	\$49.7	\$515.4	\$1,469.4	\$5,241.7
<u>Distribution</u>									
Substations	D2	\$654.9	\$381.5	-\$5.5	\$159.1	\$25.9	\$154.3	\$440.0	\$1,810.2
Primary Lines									
Demand	D2	\$797.6	\$900.5	-\$9.3	\$233.7	\$27.9	\$182.5	\$520.2	\$2,653.1
Customer	C1	\$4.0	\$4.6	\$0.0	\$1.1	\$0.1	\$0.9	\$2.6	\$13.3
Subtotal Pri Lines		\$801.6	\$905.1	-\$9.3	\$234.8	\$28.0	\$183.4	\$522.8	\$2,666.4
Secondary Lines									
Demand	D3	\$321.3	\$363.0	-\$3.8	\$94.1	\$11.2	\$73.5	\$209.7	\$1,069.0
Customer	C2	\$1.2	\$1.5	\$0.0	\$0.4	\$0.0	\$0.3	\$0.8	\$4.2
Subtotal Sec Lines		\$322.5	\$364.5	-\$3.8	\$94.5	\$11.2	\$73.8	\$210.5	\$1,073.2
Subtotal Lines		\$1,124.1	\$1,269.6	-\$13.1	\$329.3	\$39.2	\$257.2	\$733.3	\$3,739.6
Line Transformers									
Demand	D3	\$75.1	\$265.5	-\$2.2	\$57.8	\$3.1	\$67.2	\$191.7	\$658.2
Customer	C3	\$19.8	\$69.8	-\$0.5	\$15.2	\$0.8	\$17.7	\$50.4	\$173.2
Subtotal Transf		\$94.9	\$335.3	-\$2.7	\$73.0	\$3.9	\$84.9	\$242.1	\$831.4
Services	C4	\$0.9	\$10.1	-\$0.2	\$1.7	\$0.0	\$2.0	\$5.7	\$20.2
Meters	C5	\$11.6	\$4.3	-\$0.1	\$2.1	\$0.7	\$1.3	\$3.8	\$23.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$1,886.4	\$2,000.8	-\$21.6	\$565.2	\$69.7	\$499.7	\$1,424.9	\$6,425.1
Customer Accts	C6	\$15.1	\$0.7	\$0.0	\$1.7	\$0.7	\$0.3	\$0.7	\$19.2
Uncollectibles	C7	\$86.2	\$0.0	\$0.0	\$8.3	\$0.0	\$0.0	-\$0.1	\$94.4
Customer Service	C8	\$507.1	\$21.9	-\$0.1	\$57.2	\$26.4	\$8.9	\$25.3	\$646.7
Total		\$115,366.0	\$5,401.6	-\$74.3	\$12,462.1	\$490.8	\$1,843.9	\$5,257.1	\$140,747.2
Demand									
Energy		\$25,649.9	\$5,288.7	-\$73.4	\$3,653.2	\$453.6	\$1,660.7	\$4,735.0	\$41,367.7
Customer		\$89,070.2	\$0.0	\$0.0	\$8,721.2	\$8.5	\$151.8	\$432.9	\$98,384.6
Total Expense		\$645.9	\$112.9	-\$0.9	\$87.7	\$28.7	\$31.4	\$89.2	\$994.9
Total Expense		\$115,366.0	\$5,401.6	-\$74.3	\$12,462.1	\$490.8	\$1,843.9	\$5,257.1	\$140,747.2

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule PP - Large Power Service - Primary

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 55 OF 161

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
Production									
Demand	D1	\$51,814.5	\$4,470.3	-\$82.8	\$6,021.1	\$774.0	\$1,203.7	\$3,860.4	\$68,061.2
Energy	E1	\$216,832.7	\$0.0	\$0.0	\$21,211.7	\$24.8	\$289.0	\$927.0	\$239,285.2
Total Production		\$268,647.2	\$4,470.3	-\$82.8	\$27,232.8	\$798.8	\$1,492.7	\$4,787.4	\$307,346.4
Transmission									
	D1	\$3,053.8	\$3,317.6	-\$38.5	\$996.4	\$114.5	\$929.0	\$2,979.3	\$11,352.1
Distribution									
Substations	D2	\$1,488.2	\$867.1	-\$12.5	\$342.7	\$58.8	\$274.2	\$879.5	\$3,898.0
Primary Lines									
Demand	D2	\$1,812.5	\$2,046.4	-\$21.1	\$508.3	\$63.4	\$324.2	\$1,039.8	\$5,773.5
Customer	C1	\$2.1	\$2.3	\$0.0	\$0.6	\$0.1	\$0.4	\$1.2	\$6.7
Subtotal Pri Lines		\$1,814.6	\$2,048.7	-\$21.1	\$508.9	\$63.5	\$324.6	\$1,041.0	\$5,780.2
Secondary Lines									
Demand	D3	\$245.1	\$276.7	-\$2.8	\$68.9	\$8.6	\$43.9	\$140.7	\$781.1
Customer	C2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Sec Lines		\$245.1	\$276.7	-\$2.8	\$68.9	\$8.6	\$43.9	\$140.7	\$781.1
Subtotal Lines		\$2,059.7	\$2,325.4	-\$23.9	\$577.8	\$72.1	\$368.5	\$1,181.7	\$6,561.3
Line Transformers									
Demand	D3	\$57.0	\$202.4	-\$1.6	\$41.3	\$2.3	\$40.1	\$128.5	\$470.0
Customer	C3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Transf		\$57.0	\$202.4	-\$1.6	\$41.3	\$2.3	\$40.1	\$128.5	\$470.0
Services	C4	\$1.3	\$14.3	-\$0.2	\$2.3	\$0.0	\$2.2	\$7.1	\$27.0
Meters	C5	\$40.6	\$14.7	-\$0.3	\$7.0	\$2.6	\$3.7	\$11.8	\$80.1
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$3,646.8	\$3,423.9	-\$38.5	\$971.1	\$135.8	\$688.7	\$2,208.6	\$11,036.4
Customer Accts	C6	\$13.4	\$0.6	\$0.0	\$1.5	\$0.6	\$0.2	\$0.6	\$16.9
Uncollectibles	C7	\$46.1	\$0.0	\$0.0	\$4.4	\$0.0	\$0.0	\$0.0	\$50.5
Customer Service	C8	\$964.0	\$41.7	-\$0.3	\$107.9	\$50.1	\$13.2	\$42.3	\$1,218.9
Total		\$276,371.3	\$11,254.1	-\$160.1	\$29,314.1	\$1,099.8	\$3,123.8	\$10,018.2	\$331,021.2
Demand		\$58,471.1	\$11,180.5	-\$159.3	\$7,978.7	\$1,021.6	\$2,815.1	\$9,028.2	\$90,335.9
Energy		\$216,832.7	\$0.0	\$0.0	\$21,211.7	\$24.8	\$289.0	\$927.0	\$239,285.2
Customer		\$1,067.5	\$73.6	-\$0.8	\$123.7	\$53.4	\$19.7	\$63.0	\$1,400.1
Total Expense		\$276,371.3	\$11,254.1	-\$160.1	\$29,314.1	\$1,099.8	\$3,123.8	\$10,018.2	\$331,021.2

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 56 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule PT - Large Power Service - Transmission

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
Production									
Demand	D1	\$4,155.7	\$358.5	-\$6.6	\$458.0	\$62.0	-\$2.8	\$153.8	\$5,178.6
Energy	E1	\$18,328.0	\$0.0	\$0.0	\$1,786.3	\$2.1	-\$0.7	\$38.9	\$20,154.6
Total Production		\$22,483.7	\$358.5	-\$6.6	\$2,244.3	\$64.1	-\$3.5	\$192.7	\$25,333.2
Transmission									
	D1	\$244.9	\$266.1	-\$3.1	\$60.8	\$9.2	-\$2.2	\$118.7	\$694.4
Distribution									
Substations	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Primary Lines									
Demand	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Pri Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Secondary Lines									
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Sec Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Line Transformers									
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Transf		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Services	C4	\$0.4	\$3.4	-\$0.1	\$0.4	\$0.0	\$0.0	\$0.8	\$4.9
Meters	C5	\$6.8	\$2.5	\$0.0	\$1.0	\$0.4	\$0.0	\$1.0	\$11.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$7.2	\$5.9	-\$0.1	\$1.4	\$0.4	\$0.0	\$1.8	\$16.6
Customer Accts	C6	\$0.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.3
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$2.3	\$0.1	\$0.0	\$0.3	\$0.1	\$0.0	\$0.1	\$2.9
Total		\$22,738.4	\$630.6	-\$9.8	\$2,306.8	\$73.8	-\$5.7	\$313.3	\$26,047.4
Demand		\$4,400.6	\$624.6	-\$9.7	\$518.8	\$71.2	-\$5.0	\$272.5	\$5,873.0
Energy		\$18,328.0	\$0.0	\$0.0	\$1,786.3	\$2.1	-\$0.7	\$38.9	\$20,154.6
Customer		\$9.8	\$6.0	-\$0.1	\$1.7	\$0.5	\$0.0	\$1.9	\$19.8
Total Expense		\$22,738.4	\$630.6	-\$9.8	\$2,306.8	\$73.8	-\$5.7	\$313.3	\$26,047.4

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 57 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Present Sales Revenue
Schedule F - Public Street Lighting, Highway Lighting, & Park & Playground Floodlighting

		Oper/Main Expense (\$000s)	Deprec Expense (\$000s)	Amortized ITC (\$000s)	Revenue Tax (\$000s)	Payroll Tax (\$000s)	Income Tax (\$000s)	Return At Present (\$000s)	Present Revenue (\$000s)
Production									
Demand	D1	\$1,848.2	\$159.5	-\$3.1	\$191.8	\$27.6	-\$49.7	-\$7.6	\$2,166.7
Energy	E1	\$3,990.8	\$0.0	\$0.0	\$388.0	\$0.5	-\$6.2	-\$0.9	\$4,372.2
Total Production		\$5,839.0	\$159.5	-\$3.1	\$579.8	\$28.1	-\$55.9	-\$8.5	\$6,538.9
Transmission									
D1	D1	\$109.1	\$118.3	-\$1.5	\$17.6	\$4.1	-\$38.3	-\$5.9	\$203.4
Distribution									
Substations	D2	\$59.8	\$34.9	-\$0.5	\$7.8	\$2.4	-\$12.8	-\$2.0	\$89.6
Primary Lines									
Demand	D2	\$73.0	\$82.5	-\$0.9	\$13.4	\$2.6	-\$15.1	-\$2.3	\$153.2
Customer	C1	\$8.8	\$9.8	-\$0.1	\$1.6	\$0.3	-\$1.8	-\$0.3	\$18.3
Subtotal Pri Lines		\$81.8	\$92.3	-\$1.0	\$15.0	\$2.9	-\$16.9	-\$2.6	\$171.5
Secondary Lines									
Demand	D3	\$4.5	\$5.4	-\$0.1	\$0.8	\$0.2	-\$1.0	-\$0.1	\$9.7
Customer	C2	\$0.9	\$1.0	\$0.0	\$0.2	\$0.0	-\$0.2	\$0.0	\$1.9
Subtotal Sec Lines		\$5.4	\$6.4	-\$0.1	\$1.0	\$0.2	-\$1.2	-\$0.1	\$11.6
Subtotal Lines		\$87.2	\$98.7	-\$1.1	\$16.0	\$3.1	-\$18.1	-\$2.7	\$183.1
Line Transformers									
Demand	D3	\$1.2	\$3.9	\$0.0	\$0.4	\$0.0	-\$0.9	-\$0.1	\$4.5
Customer	C3	\$2.0	\$7.3	-\$0.1	\$0.7	\$0.1	-\$1.7	-\$0.3	\$8.0
Subtotal Transf		\$3.2	\$11.2	-\$0.1	\$1.1	\$0.1	-\$2.6	-\$0.4	\$12.5
Services	C4	\$1.6	\$18.3	-\$0.3	\$1.5	\$0.0	-\$3.3	-\$0.5	\$17.3
Meters	C5	\$8.1	\$3.0	-\$0.1	\$1.0	\$0.5	-\$0.9	-\$0.1	\$11.5
Street Lighting	C9	\$29.0	\$1.2	\$0.0	\$3.1	\$2.5	-\$0.6	-\$0.1	\$35.1
Distribution Total		\$188.9	\$167.3	-\$2.1	\$30.5	\$8.6	-\$38.3	-\$5.8	\$349.1
Customer Accts	C6	\$26.5	\$1.2	\$0.0	\$2.8	\$1.3	-\$0.4	-\$0.1	\$31.3
Uncollectibles	C7	\$1.8	\$0.0	\$0.0	\$0.2	\$0.0	\$0.0	\$0.0	\$2.0
Customer Service	C8	\$0.7	\$0.0	\$0.0	\$0.1	\$0.0	\$0.0	\$0.0	\$0.8
Total		\$6,166.0	\$446.3	-\$6.7	\$631.0	\$42.1	-\$132.9	-\$20.3	\$7,125.5
Demand		\$2,095.8	\$404.5	-\$6.1	\$231.8	\$36.9	-\$117.8	-\$18.0	\$2,627.1
Energy		\$3,990.8	\$0.0	\$0.0	\$388.0	\$0.5	-\$6.2	-\$0.9	\$4,372.2
Customer		\$79.4	\$41.8	-\$0.6	\$11.2	\$4.7	-\$8.9	-\$1.4	\$126.2
Total Expense		\$6,166.0	\$446.3	-\$6.7	\$631.0	\$42.1	-\$132.9	-\$20.3	\$7,125.5

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 58 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule R/E - Residential Service

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
Production									
Demand	D1	\$116,287.8	-\$87.3	\$116,200.5	\$0.0	\$609.3	\$2,435.6	\$3,824.0	\$102,949.4
Energy	E1	\$19,570.6	-\$14.7	\$19,555.9	\$0.0	\$102.5	\$409.9	\$643.5	\$251,594.8
Total Production		\$135,858.4	-\$102.0	\$135,756.4	\$0.0	\$711.8	\$2,845.5	\$4,467.5	\$354,544.2
Transmission									
D1	D1	\$89,745.7	-\$67.4	\$89,678.3	\$0.0	\$470.2	\$1,879.7	\$2,951.3	\$17,719.1
Distribution									
Substations	D2	\$28,619.0	-\$21.5	\$28,597.5	\$0.0	\$149.9	\$599.4	\$941.1	\$6,535.9
Primary Lines									
Demand	D2	\$33,834.5	-\$25.4	\$33,809.1	\$0.0	\$177.3	\$708.7	\$1,112.7	\$9,614.6
Customer	C1	\$60,010.2	-\$45.0	\$59,965.2	\$0.0	\$314.4	\$1,256.9	\$1,973.4	\$17,052.5
Subtotal Pri Lines		\$93,844.7	-\$70.4	\$93,774.3	\$0.0	\$491.7	\$1,965.6	\$3,086.1	\$26,667.1
Secondary Lines									
Demand	D3	\$20,131.8	-\$15.1	\$20,116.7	\$0.0	\$105.5	\$421.7	\$662.0	\$5,720.6
Customer	C2	\$27,391.9	-\$20.6	\$27,371.3	\$0.0	\$143.5	\$573.7	\$900.8	\$7,783.8
Subtotal Sec Lines		\$47,523.7	-\$35.7	\$47,488.0	\$0.0	\$249.0	\$995.4	\$1,562.8	\$13,504.4
Subtotal Lines		\$141,368.4	-\$106.1	\$141,262.3	\$0.0	\$740.7	\$2,961.0	\$4,648.9	\$40,171.5
Line Transformers									
Demand	D3	\$18,409.9	-\$13.8	\$18,396.1	\$0.0	\$96.5	\$385.6	\$605.4	\$3,494.2
Customer	C3	\$18,054.6	-\$13.5	\$18,041.1	\$0.0	\$94.6	\$378.2	\$593.7	\$3,426.8
Subtotal Transf		\$36,464.5	-\$27.3	\$36,437.2	\$0.0	\$191.1	\$763.8	\$1,199.1	\$6,921.0
Services	C4	\$65,481.9	-\$49.1	\$65,432.8	\$0.0	\$343.1	\$1,371.5	\$2,153.3	\$12,949.2
Meters	C5	\$7,726.9	-\$5.8	\$7,721.1	\$0.0	\$40.5	\$161.8	\$254.0	\$2,669.9
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$279,660.7	-\$209.8	\$279,450.9	\$0.0	\$1,465.3	\$5,857.5	\$9,196.4	\$69,247.5
Customer Accts	C6	\$11,486.1	-\$8.6	\$11,477.5	\$0.0	\$60.2	\$240.6	\$377.7	\$17,146.4
Uncollectibles	C7	-\$11.9	\$0.0	-\$11.9	\$66.3	-\$0.1	-\$0.2	-\$0.3	\$1,092.3
Customer Service	C8	\$2,757.9	-\$2.1	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$3,815.5
Total		\$519,496.9	-\$389.9	\$516,352.0	\$66.3	\$2,707.4	\$10,823.1	\$16,992.6	\$463,565.0
Expense									
Demand		\$307,028.7	-\$230.5	\$306,798.2	\$0.0	\$1,608.7	\$6,430.7	\$10,096.5	\$146,033.8
Energy		\$19,570.6	-\$14.7	\$19,555.9	\$0.0	\$102.5	\$409.9	\$643.5	\$251,594.8
Customer		\$192,897.6	-\$144.7	\$189,997.9	\$66.3	\$996.2	\$3,982.5	\$6,252.6	\$65,936.4
Total Expense		\$519,496.9	-\$389.9	\$516,352.0	\$66.3	\$2,707.4	\$10,823.1	\$16,992.6	\$463,565.0

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 59 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule G - General Service Non-Demand

		<u>Present Rate Base (\$000s)</u>	<u>Change In Work Cash (\$000s)</u>	<u>Proposed Rate Base (\$000s)</u>	<u>Change In Oper & Main (\$000s)</u>	<u>Change In Rev Tax (\$000s)</u>	<u>Change In Income Tax (\$000s)</u>	<u>Change In Return (\$000s)</u>	<u>Proposed Revenue (\$000s)</u>
<u>Production</u>									
Demand	D1	\$19,606.5	-\$14.5	\$19,592.0	\$0.0	\$101.7	\$406.9	\$638.9	\$18,669.7
Energy	E1	\$3,417.6	-\$2.5	\$3,415.1	\$0.0	\$17.7	\$70.9	\$111.4	\$44,163.5
Total Production		\$23,024.1	-\$17.0	\$23,007.1	\$0.0	\$119.4	\$477.8	\$750.3	\$62,833.2
<u>Transmission</u>									
	D1	\$15,131.4	-\$11.2	\$15,120.2	\$0.0	\$78.5	\$314.0	\$493.1	\$4,000.2
<u>Distribution</u>									
Substations	D2	\$4,795.6	-\$3.5	\$4,792.1	\$0.0	\$24.9	\$99.5	\$156.2	\$1,416.1
Primary Lines									
Demand	D2	\$5,669.7	-\$4.2	\$5,665.5	\$0.0	\$29.4	\$117.7	\$184.7	\$1,990.6
Customer	C1	\$8,249.7	-\$6.1	\$8,243.6	\$0.0	\$42.8	\$171.2	\$268.8	\$2,896.3
Subtotal Pri Lines		\$13,919.4	-\$10.3	\$13,909.1	\$0.0	\$72.2	\$288.9	\$453.5	\$4,886.9
Secondary Lines									
Demand	D3	\$2,783.7	-\$2.1	\$2,781.6	\$0.0	\$14.5	\$57.8	\$90.7	\$977.4
Customer	C2	\$3,083.7	-\$2.3	\$3,081.4	\$0.0	\$16.0	\$64.0	\$100.5	\$1,083.0
Subtotal Sec Lines		\$5,867.4	-\$4.4	\$5,863.0	\$0.0	\$30.5	\$121.8	\$191.2	\$2,060.4
Subtotal Lines		\$19,786.8	-\$14.7	\$19,772.1	\$0.0	\$102.7	\$410.7	\$644.7	\$6,947.3
Line Transformers									
Demand	D3	\$2,545.5	-\$1.9	\$2,543.6	\$0.0	\$13.2	\$52.8	\$83.0	\$653.4
Customer	C3	\$22,392.3	-\$16.5	\$22,375.8	\$0.0	\$116.2	\$464.7	\$729.6	\$5,748.9
Subtotal Transf		\$24,937.8	-\$18.4	\$24,919.4	\$0.0	\$129.4	\$517.5	\$812.6	\$6,402.3
Services	C4	\$6,979.9	-\$5.1	\$6,974.8	\$0.0	\$36.2	\$144.9	\$227.4	\$1,847.5
Meters	C5	\$1,177.7	-\$0.9	\$1,176.8	\$0.0	\$6.1	\$24.5	\$38.4	\$485.8
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$57,677.8	-\$42.6	\$57,635.2	\$0.0	\$299.3	\$1,197.1	\$1,879.3	\$17,099.0
Customer Accts	C6	\$1,453.2	-\$1.1	\$1,452.1	\$0.0	\$7.6	\$30.2	\$47.4	\$2,266.8
Uncollectibles	C7	-\$1.6	\$0.0	-\$1.6	\$9.1	\$0.0	\$0.0	-\$0.1	\$149.4
Customer Service	C8	\$52.2	\$0.0	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$75.9
Total		\$97,337.1	-\$71.9	\$97,213.8	\$9.1	\$504.8	\$2,019.1	\$3,170.0	\$86,424.5
Demand									
Demand		\$50,532.4	-\$37.4	\$50,495.0	\$0.0	\$262.2	\$1,048.7	\$1,646.6	\$27,707.4
Energy		\$3,417.6	-\$2.5	\$3,415.1	\$0.0	\$17.7	\$70.9	\$111.4	\$44,163.5
Customer		\$43,387.1	-\$32.0	\$43,303.7	\$9.1	\$224.9	\$899.5	\$1,412.0	\$14,553.6
Total Expense		\$97,337.1	-\$71.9	\$97,213.8	\$9.1	\$504.8	\$2,019.1	\$3,170.0	\$86,424.5

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 60 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule J - General Service Demand Total

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$93,585.9	-\$109.6	\$93,476.3	\$0.0	\$788.1	\$3,154.7	\$4,952.9	\$93,971.3
Energy	E1	\$18,982.2	-\$22.2	\$18,960.0	\$0.0	\$159.9	\$639.9	\$1,004.6	\$246,270.7
Total Production		\$112,568.1	-\$131.8	\$112,436.3	\$0.0	\$948.0	\$3,794.6	\$5,957.5	\$340,242.0
<u>Transmission</u>									
D1	D1	\$72,225.6	-\$84.6	\$72,141.0	\$0.0	\$608.2	\$2,434.6	\$3,822.4	\$22,845.8
<u>Distribution</u>									
Substations	D2	\$22,209.2	-\$26.0	\$22,183.2	\$0.0	\$187.0	\$748.7	\$1,175.4	\$7,712.2
Primary Lines									
Demand	D2	\$26,256.8	-\$30.7	\$26,226.1	\$0.0	\$221.1	\$885.1	\$1,389.6	\$10,582.1
Customer	C1	\$2,829.2	-\$3.3	\$2,825.9	\$0.0	\$23.8	\$95.4	\$149.7	\$1,140.2
Subtotal Pri Lines		\$29,086.0	-\$34.0	\$29,052.0	\$0.0	\$244.9	\$980.5	\$1,539.3	\$11,722.3
Secondary Lines									
Demand	D3	\$10,114.3	-\$11.8	\$10,102.5	\$0.0	\$85.2	\$340.9	\$535.2	\$4,076.5
Customer	C2	\$856.6	-\$1.0	\$855.6	\$0.0	\$7.2	\$28.9	\$45.4	\$345.4
Subtotal Sec Lines		\$10,970.9	-\$12.8	\$10,958.1	\$0.0	\$92.4	\$369.8	\$580.6	\$4,421.9
Subtotal Lines		\$40,056.9	-\$46.8	\$40,010.1	\$0.0	\$337.3	\$1,350.3	\$2,119.9	\$16,144.2
Line Transformers									
Demand	D3	\$9,249.1	-\$10.8	\$9,238.3	\$0.0	\$77.9	\$311.7	\$489.4	\$2,854.6
Customer	C3	\$12,194.8	-\$14.3	\$12,180.5	\$0.0	\$102.7	\$411.0	\$645.3	\$3,764.1
Subtotal Transf		\$21,443.9	-\$25.1	\$21,418.8	\$0.0	\$180.6	\$722.7	\$1,134.7	\$6,618.7
Services	C4	\$4,655.7	-\$5.5	\$4,650.2	\$0.0	\$39.2	\$156.9	\$246.3	\$1,473.8
Meters	C5	\$2,933.9	-\$3.4	\$2,930.5	\$0.0	\$24.7	\$98.9	\$155.3	\$1,362.6
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$91,299.6	-\$106.8	\$91,192.8	\$0.0	\$768.8	\$3,077.5	\$4,831.6	\$33,311.5
Customer Accts	C6	\$466.2	-\$0.5	\$465.7	\$0.0	\$3.9	\$15.8	\$24.7	\$751.5
Uncollectibles	C7	-\$2.6	\$0.0	-\$2.6	\$14.2	\$0.0	-\$0.1	-\$0.1	\$233.2
Customer Service	C8	\$821.0	-\$1.0	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$1,203.6
Total		\$277,377.9	-\$324.7	\$276,234.0	\$14.2	\$2,328.9	\$9,322.4	\$14,636.1	\$398,587.6
Demand									
Demand		\$233,640.9	-\$273.5	\$233,367.4	\$0.0	\$1,967.5	\$7,875.7	\$12,364.9	\$142,042.5
Energy		\$18,982.2	-\$22.2	\$18,960.0	\$0.0	\$159.9	\$639.9	\$1,004.6	\$246,270.7
Customer		\$24,754.8	-\$29.0	\$23,906.6	\$14.2	\$201.5	\$806.8	\$1,266.6	\$10,274.4
Total Expense		\$277,377.9	-\$324.7	\$276,234.0	\$14.2	\$2,328.9	\$9,322.4	\$14,636.1	\$398,587.6

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 61 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule H - Commercial Cooking, Heating, Cooling, & Refrigeration Service

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$1,954.3	-\$1.8	\$1,952.5	\$0.0	\$12.7	\$50.9	\$80.0	\$1,795.1
Energy	E1	\$372.5	-\$0.3	\$372.2	\$0.0	\$2.4	\$9.7	\$15.3	\$4,800.1
Total Production		\$2,326.8	-\$2.1	\$2,324.7	\$0.0	\$15.1	\$60.6	\$95.3	\$6,595.2
<u>Transmission</u>									
	D1	\$1,508.0	-\$1.4	\$1,506.6	\$0.0	\$9.8	\$39.3	\$61.7	\$348.2
<u>Distribution</u>									
Substations	D2	\$469.4	-\$0.4	\$469.0	\$0.0	\$3.1	\$12.2	\$19.2	\$122.9
Primary Lines									
Demand	D2	\$554.8	-\$0.5	\$554.3	\$0.0	\$3.6	\$14.5	\$22.7	\$176.2
Customer	C1	\$291.2	-\$0.3	\$290.9	\$0.0	\$1.9	\$7.6	\$11.9	\$92.6
Subtotal Pri Lines		\$846.0	-\$0.8	\$845.2	\$0.0	\$5.5	\$22.1	\$34.6	\$268.8
Secondary Lines									
Demand	D3	\$242.7	-\$0.2	\$242.5	\$0.0	\$1.6	\$6.3	\$9.9	\$77.0
Customer	C2	\$96.2	-\$0.1	\$96.1	\$0.0	\$0.6	\$2.5	\$3.9	\$30.5
Subtotal Sec Lines		\$338.9	-\$0.3	\$338.6	\$0.0	\$2.2	\$8.8	\$13.8	\$107.5
Subtotal Lines		\$1,184.9	-\$1.1	\$1,183.8	\$0.0	\$7.7	\$30.9	\$48.4	\$376.3
Line Transformers									
Demand	D3	\$222.0	-\$0.2	\$221.8	\$0.0	\$1.5	\$5.8	\$9.1	\$49.7
Customer	C3	\$1,046.3	-\$1.0	\$1,045.3	\$0.0	\$6.8	\$27.3	\$42.8	\$233.6
Subtotal Transf		\$1,268.3	-\$1.2	\$1,267.1	\$0.0	\$8.3	\$33.1	\$51.9	\$283.3
Services	C4	\$211.6	-\$0.2	\$211.4	\$0.0	\$1.4	\$5.5	\$8.7	\$49.0
Meters	C5	\$43.7	\$0.0	\$43.7	\$0.0	\$0.3	\$1.1	\$1.8	\$16.6
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$3,177.9	-\$2.9	\$3,175.0	\$0.0	\$20.8	\$82.8	\$130.0	\$848.1
Customer Accts	C6	\$41.5	\$0.0	\$41.5	\$0.0	\$0.3	\$1.1	\$1.7	\$63.4
Uncollectibles	C7	-\$0.2	\$0.0	-\$0.2	\$0.9	\$0.0	\$0.0	\$0.0	\$15.2
Customer Service	C8	\$2.5	\$0.0	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$3.6
Total		\$7,056.5	-\$6.4	\$7,048.4	\$0.9	\$46.0	\$183.8	\$288.7	\$7,873.7
Demand		\$4,951.2	-\$4.5	\$4,946.7	\$0.0	\$32.3	\$129.0	\$202.6	\$2,569.1
Energy		\$372.5	-\$0.3	\$372.2	\$0.0	\$2.4	\$9.7	\$15.3	\$4,800.1
Customer		\$1,732.8	-\$1.6	\$1,729.5	\$0.9	\$11.3	\$45.1	\$70.8	\$504.5
Total Expense		\$7,056.5	-\$6.4	\$7,048.4	\$0.9	\$46.0	\$183.8	\$288.7	\$7,873.7

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 62 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule PS - Large Power Service - Secondary

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$33,648.6	-\$44.5	\$33,604.1	\$0.0	\$320.4	\$1,282.5	\$2,013.5	\$33,551.9
Energy	E1	\$7,651.2	-\$10.1	\$7,641.1	\$0.0	\$72.9	\$291.6	\$457.9	\$99,207.0
Total Production		\$41,299.8	-\$54.6	\$41,245.2	\$0.0	\$393.3	\$1,574.1	\$2,471.4	\$132,758.9
<u>Transmission</u>									
	D1	\$25,968.7	-\$34.3	\$25,934.4	\$0.0	\$247.3	\$989.7	\$1,553.9	\$8,032.6
<u>Distribution</u>									
Substations	D2	\$7,776.0	-\$10.3	\$7,765.7	\$0.0	\$74.1	\$296.4	\$465.3	\$2,646.0
Primary Lines									
Demand	D2	\$9,193.2	-\$12.2	\$9,181.0	\$0.0	\$87.5	\$350.4	\$550.1	\$3,641.1
Customer	C1	\$46.5	-\$0.1	\$46.4	\$0.0	\$0.4	\$1.8	\$2.8	\$18.3
Subtotal Pri Lines		\$9,239.7	-\$12.3	\$9,227.4	\$0.0	\$87.9	\$352.2	\$552.9	\$3,659.4
Secondary Lines									
Demand	D3	\$3,705.4	-\$4.9	\$3,700.5	\$0.0	\$35.3	\$141.2	\$221.7	\$1,467.2
Customer	C2	\$14.8	\$0.0	\$14.8	\$0.0	\$0.1	\$0.6	\$0.9	\$5.8
Subtotal Sec Lines		\$3,720.2	-\$4.9	\$3,715.3	\$0.0	\$35.4	\$141.8	\$222.6	\$1,473.0
Subtotal Lines		\$12,959.9	-\$17.2	\$12,942.7	\$0.0	\$123.3	\$494.0	\$775.5	\$5,132.4
Line Transformers									
Demand	D3	\$3,388.7	-\$4.5	\$3,384.2	\$0.0	\$32.3	\$129.2	\$202.8	\$1,022.5
Customer	C3	\$891.2	-\$1.2	\$890.0	\$0.0	\$8.5	\$34.0	\$53.3	\$269.0
Subtotal Transf		\$4,279.9	-\$5.7	\$4,274.2	\$0.0	\$40.8	\$163.2	\$256.1	\$1,291.5
Services	C4	\$100.4	-\$0.1	\$100.3	\$0.0	\$1.0	\$3.8	\$6.0	\$31.0
Meters	C5	\$67.9	-\$0.1	\$67.8	\$0.0	\$0.7	\$2.6	\$4.0	\$31.0
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$25,184.1	-\$33.4	\$25,150.7	\$0.0	\$239.9	\$960.0	\$1,506.9	\$9,131.9
Customer Accts	C6	\$12.8	\$0.0	\$12.8	\$0.0	\$0.1	\$0.5	\$0.8	\$20.6
Uncollectibles	C7	-\$1.1	\$0.0	-\$1.1	\$6.1	\$0.0	\$0.0	-\$0.1	\$100.4
Customer Service	C8	\$447.0	-\$0.6	\$446.4	\$0.0	\$0.0	\$0.0	\$0.1	\$646.8
Total		\$92,911.3	-\$122.9	\$92,342.8	\$6.1	\$880.6	\$3,524.3	\$5,533.0	\$150,691.2
Demand									
Demand		\$83,680.6	-\$110.7	\$83,569.9	\$0.0	\$796.9	\$3,189.4	\$5,007.3	\$50,361.3
Energy									
Energy		\$7,651.2	-\$10.1	\$7,641.1	\$0.0	\$72.9	\$291.6	\$457.9	\$99,207.0
Customer									
Customer		\$1,579.5	-\$2.1	\$1,131.8	\$6.1	\$10.8	\$43.3	\$67.8	\$1,122.9
Total Expense		\$92,911.3	-\$122.9	\$92,342.8	\$6.1	\$880.6	\$3,524.3	\$5,533.0	\$150,691.2

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 63 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule PP - Large Power Service - Primary

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$77,569.3	-\$110.7	\$77,458.6	\$0.0	\$801.4	\$3,209.0	\$5,038.3	\$77,109.9
Energy	E1	\$18,626.0	-\$26.6	\$18,599.4	\$0.0	\$192.4	\$770.5	\$1,209.8	\$241,457.9
Total Production		\$96,195.3	-\$137.3	\$96,058.0	\$0.0	\$993.8	\$3,979.5	\$6,248.1	\$318,567.8
<u>Transmission</u>									
	D1	\$59,864.9	-\$85.4	\$59,779.5	\$0.0	\$618.5	\$2,476.6	\$3,888.4	\$18,335.6
<u>Distribution</u>									
Substations	D2	\$17,671.5	-\$25.2	\$17,646.3	\$0.0	\$182.6	\$731.1	\$1,147.8	\$5,959.5
Primary Lines									
Demand	D2	\$20,892.2	-\$29.8	\$20,862.4	\$0.0	\$215.9	\$864.3	\$1,357.0	\$8,210.7
Customer	C1	\$23.4	\$0.0	\$23.4	\$0.0	\$0.2	\$1.0	\$1.6	\$9.5
Subtotal Pri Lines		\$20,915.6	-\$29.8	\$20,885.8	\$0.0	\$216.1	\$865.3	\$1,358.6	\$8,220.2
Secondary Lines									
Demand	D3	\$2,825.4	-\$4.0	\$2,821.4	\$0.0	\$29.2	\$116.9	\$183.6	\$1,110.8
Customer	C2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Sec Lines		\$2,825.4	-\$4.0	\$2,821.4	\$0.0	\$29.2	\$116.9	\$183.6	\$1,110.8
Subtotal Lines		\$23,741.0	-\$33.8	\$23,707.2	\$0.0	\$245.3	\$982.2	\$1,542.2	\$9,331.0
Line Transformers									
Demand	D3	\$2,583.6	-\$3.7	\$2,579.9	\$0.0	\$26.7	\$106.9	\$167.8	\$771.4
Customer	C3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Transf		\$2,583.6	-\$3.7	\$2,579.9	\$0.0	\$26.7	\$106.9	\$167.8	\$771.4
Services	C4	\$142.4	-\$0.2	\$142.2	\$0.0	\$1.5	\$5.9	\$9.2	\$43.6
Meters	C5	\$237.7	-\$0.3	\$237.4	\$0.0	\$2.5	\$9.9	\$15.5	\$108.0
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$44,376.2	-\$63.2	\$44,313.0	\$0.0	\$458.6	\$1,836.0	\$2,882.5	\$16,213.5
Customer Accts	C6	\$11.4	\$0.0	\$11.4	\$0.0	\$0.1	\$0.5	\$0.8	\$18.3
Uncollectibles	C7	-\$0.6	\$0.0	-\$0.6	\$3.3	\$0.0	\$0.0	\$0.0	\$53.8
Customer Service	C8	\$849.6	-\$1.2	\$848.4	\$0.0	\$0.0	\$0.0	\$0.0	\$1,218.9
Total		\$201,296.8	-\$287.1	\$200,162.1	\$3.3	\$2,071.0	\$8,292.6	\$13,019.8	\$354,407.9
Demand									
Demand		\$181,406.9	-\$258.8	\$181,148.1	\$0.0	\$1,874.3	\$7,504.8	\$11,782.9	\$111,497.9
Energy									
Energy		\$18,626.0	-\$26.6	\$18,599.4	\$0.0	\$192.4	\$770.5	\$1,209.8	\$241,457.9
Customer									
Customer		\$1,263.9	-\$1.7	\$1,262.2	\$3.3	\$4.3	\$17.3	\$27.1	\$1,452.1
Total Expense		\$201,296.8	-\$287.1	\$200,162.1	\$3.3	\$2,071.0	\$8,292.6	\$13,019.8	\$354,407.9

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 64 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule PT - Large Power Service - Transmission

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$6,221.4	-\$11.1	\$6,210.3	\$0.0	\$80.0	\$320.4	\$503.0	\$6,082.0
Energy	E1	\$1,574.4	-\$2.8	\$1,571.6	\$0.0	\$20.3	\$81.1	\$127.3	\$20,383.3
Total Production		\$7,795.8	-\$13.9	\$7,781.9	\$0.0	\$100.3	\$401.5	\$630.3	\$26,465.3
<u>Transmission</u>									
	D1	\$4,801.5	-\$8.6	\$4,792.9	\$0.0	\$61.8	\$247.3	\$388.2	\$1,391.7
<u>Distribution</u>									
Substations	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Primary Lines									
Demand	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Pri Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Secondary Lines									
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Sec Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Line Transformers									
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Transf		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Services	C4	\$34.1	-\$0.1	\$34.0	\$0.0	\$0.4	\$1.8	\$2.8	\$9.9
Meters	C5	\$39.5	-\$0.1	\$39.4	\$0.0	\$0.5	\$2.0	\$3.2	\$17.4
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$73.6	-\$0.2	\$73.4	\$0.0	\$0.9	\$3.8	\$6.0	\$27.3
Customer Accts	C6	\$0.2	\$0.0	\$0.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.3
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer Service	C8	\$2.0	\$0.0	\$0.8	\$0.0	\$0.0	\$0.0	\$0.1	\$3.0
Total		\$12,673.1	-\$22.7	\$12,649.2	\$0.0	\$163.0	\$652.6	\$1,024.6	\$27,887.6
Demand		\$11,022.9	-\$19.7	\$11,003.2	\$0.0	\$141.8	\$567.7	\$891.2	\$7,473.7
Energy		\$1,574.4	-\$2.8	\$1,571.6	\$0.0	\$20.3	\$81.1	\$127.3	\$20,383.3
Customer		\$75.8	-\$0.2	\$74.4	\$0.0	\$0.9	\$3.8	\$6.1	\$30.6
Total Expense		\$12,673.1	-\$22.7	\$12,649.2	\$0.0	\$163.0	\$652.6	\$1,024.6	\$27,887.6

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 65 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Proposed Rates
Schedule F - Public Street Lighting, Highway Lighting, & Park & Playground Floodlighting

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
Production									
Demand	D1	\$2,767.5	-\$2.3	\$2,765.2	\$0.0	\$16.7	\$66.8	\$104.9	\$2,355.1
Energy	E1	\$342.9	-\$0.3	\$342.6	\$0.0	\$2.1	\$8.3	\$13.0	\$4,395.6
Total Production		\$3,110.4	-\$2.6	\$3,107.8	\$0.0	\$18.8	\$75.1	\$117.9	\$6,750.7
Transmission									
D1	D1	\$2,135.5	-\$1.8	\$2,133.7	\$0.0	\$12.9	\$51.5	\$80.9	\$348.7
Distribution									
Substations	D2	\$711.5	-\$0.6	\$710.9	\$0.0	\$4.3	\$17.2	\$27.0	\$138.1
Primary Lines									
Demand	D2	\$841.4	-\$0.7	\$840.7	\$0.0	\$5.1	\$20.3	\$31.9	\$210.5
Customer	C1	\$100.2	-\$0.1	\$100.1	\$0.0	\$0.6	\$2.4	\$3.8	\$25.1
Subtotal Pri Lines		\$941.6	-\$0.8	\$940.8	\$0.0	\$5.7	\$22.7	\$35.7	\$235.6
Secondary Lines									
Demand	D3	\$53.9	\$0.0	\$53.9	\$0.0	\$0.3	\$1.3	\$2.0	\$13.3
Customer	C2	\$10.1	\$0.0	\$10.1	\$0.0	\$0.0	\$0.2	\$0.4	\$2.5
Subtotal Sec Lines		\$64.0	\$0.0	\$64.0	\$0.0	\$0.3	\$1.5	\$2.4	\$15.8
Subtotal Lines		\$1,005.6	-\$0.8	\$1,004.8	\$0.0	\$6.0	\$24.2	\$38.1	\$251.4
Line Transformers									
Demand	D3	\$49.2	\$0.0	\$49.2	\$0.0	\$0.3	\$1.2	\$1.9	\$7.9
Customer	C3	\$93.8	-\$0.1	\$93.7	\$0.0	\$0.6	\$2.3	\$3.6	\$14.5
Subtotal Transf		\$143.0	-\$0.1	\$142.9	\$0.0	\$0.9	\$3.5	\$5.5	\$22.4
Services	C4	\$182.7	-\$0.2	\$182.5	\$0.0	\$1.1	\$4.4	\$6.9	\$29.7
Meters	C5	\$48.1	\$0.0	\$48.1	\$0.0	\$0.3	\$1.2	\$1.8	\$14.8
Street Lighting	C9	\$35.4	\$0.0	\$35.4	\$15.3	\$0.2	\$0.9	\$1.3	\$52.8
Distribution Total		\$2,126.3	-\$1.7	\$2,124.6	\$15.3	\$12.8	\$51.4	\$80.6	\$509.2
Customer Accts	C6	\$22.4	\$0.0	\$22.4	\$0.0	\$0.1	\$0.5	\$0.8	\$32.7
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$0.1	\$0.0	\$0.0	\$0.0	\$2.1
Customer Service	C8	\$0.3	\$0.0	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.8
Total		\$7,394.9	-\$6.1	\$7,389.3	\$15.4	\$44.6	\$178.5	\$280.2	\$7,644.2
Demand		\$6,559.0	-\$5.4	\$6,553.6	\$0.0	\$39.6	\$158.3	\$248.6	\$3,073.6
Energy		\$342.9	-\$0.3	\$342.6	\$0.0	\$2.1	\$8.3	\$13.0	\$4,395.6
Customer		\$493.0	-\$0.4	\$493.1	\$15.4	\$2.9	\$11.9	\$18.6	\$175.0
Total Expense		\$7,394.9	-\$6.1	\$7,389.3	\$15.4	\$44.6	\$178.5	\$280.2	\$7,644.2

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 66 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule R/E - Residential Service

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$116,287.8	-\$169.3	\$116,118.5	\$0.0	\$1,200.0	\$4,800.0	\$7,536.1	\$109,616.6
Energy	E1	\$19,570.6	-\$28.5	\$19,542.1	\$0.0	\$201.9	\$807.8	\$1,268.2	\$252,716.8
Total Production		\$135,858.4	-\$197.8	\$135,660.6	\$0.0	\$1,401.9	\$5,607.8	\$8,804.3	\$362,333.4
<u>Transmission</u>									
	D1	\$89,745.7	-\$130.7	\$89,615.0	\$0.0	\$926.1	\$3,704.5	\$5,816.1	\$22,864.6
<u>Distribution</u>									
Substations	D2	\$28,619.0	-\$41.7	\$28,577.3	\$0.0	\$295.3	\$1,181.3	\$1,854.7	\$8,176.8
Primary Lines									
Demand	D2	\$33,834.5	-\$49.3	\$33,785.2	\$0.0	\$349.1	\$1,396.6	\$2,192.7	\$11,554.3
Customer	C1	\$60,010.2	-\$87.4	\$59,922.8	\$0.0	\$619.3	\$2,477.1	\$3,889.1	\$20,493.3
Subtotal Pri Lines		\$93,844.7	-\$136.7	\$93,708.0	\$0.0	\$968.4	\$3,873.7	\$6,081.8	\$32,047.6
Secondary Lines									
Demand	D3	\$20,131.8	-\$29.3	\$20,102.5	\$0.0	\$207.7	\$830.9	\$1,304.6	\$6,874.6
Customer	C2	\$27,391.9	-\$39.9	\$27,352.0	\$0.0	\$282.7	\$1,130.7	\$1,775.2	\$9,354.4
Subtotal Sec Lines		\$47,523.7	-\$69.2	\$47,454.5	\$0.0	\$490.4	\$1,961.6	\$3,079.8	\$16,229.0
Subtotal Lines		\$141,368.4	-\$205.9	\$141,162.5	\$0.0	\$1,458.8	\$5,835.3	\$9,161.6	\$48,276.6
Line Transformers									
Demand	D3	\$18,409.9	-\$26.8	\$18,383.1	\$0.0	\$190.0	\$759.9	\$1,193.1	\$4,549.7
Customer	C3	\$18,054.6	-\$26.3	\$18,028.3	\$0.0	\$186.3	\$745.1	\$1,169.9	\$4,461.6
Subtotal Transf		\$36,464.5	-\$53.1	\$36,411.4	\$0.0	\$376.3	\$1,505.0	\$2,363.0	\$9,011.3
Services	C4	\$65,481.9	-\$95.4	\$65,386.5	\$0.0	\$675.7	\$2,702.9	\$4,243.6	\$16,703.5
Meters	C5	\$7,726.9	-\$11.2	\$7,715.7	\$0.0	\$79.7	\$318.9	\$500.6	\$3,112.8
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$279,660.7	-\$407.3	\$279,253.4	\$0.0	\$2,885.8	\$11,543.4	\$18,123.5	\$85,281.0
Customer Accts	C6	\$11,486.1	-\$16.7	\$11,469.4	\$0.0	\$118.5	\$474.1	\$744.4	\$17,804.9
Uncollectibles	C7	-\$11.9	\$0.0	-\$11.9	\$61.1	-\$0.1	-\$0.4	-\$0.7	\$1,086.5
Customer Service	C8	\$2,757.9	-\$4.0	\$2,753.9	\$0.0	\$28.5	\$113.9	\$178.8	\$4,136.7
Total		\$519,496.9	-\$756.5	\$518,740.4	\$61.1	\$5,360.7	\$21,443.3	\$33,666.4	\$493,507.1
Demand		\$307,028.7	-\$447.1	\$306,581.6	\$0.0	\$3,168.2	\$12,673.2	\$19,897.3	\$163,636.6
Energy		\$19,570.6	-\$28.5	\$19,542.1	\$0.0	\$201.9	\$807.8	\$1,268.2	\$252,716.8
Customer		\$192,897.6	-\$280.9	\$192,616.7	\$61.1	\$1,990.6	\$7,962.3	\$12,500.9	\$77,153.7
Total Expense		\$519,496.9	-\$756.5	\$518,740.4	\$61.1	\$5,360.7	\$21,443.3	\$33,666.4	\$493,507.1

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 67 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule G - General Service Non-Demand

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
Production									
Demand	D1	\$19,606.5	-\$12.6	\$19,593.9	\$0.0	\$88.9	\$355.7	\$558.5	\$18,525.3
Energy	E1	\$3,417.6	-\$2.2	\$3,415.4	\$0.0	\$15.5	\$62.0	\$97.4	\$44,138.4
Total Production		\$23,024.1	-\$14.8	\$23,009.3	\$0.0	\$104.4	\$417.7	\$655.9	\$62,663.7
Transmission									
	D1	\$15,131.4	-\$9.7	\$15,121.7	\$0.0	\$68.6	\$274.5	\$431.0	\$3,888.7
Distribution									
Substations	D2	\$4,795.6	-\$3.1	\$4,792.5	\$0.0	\$21.7	\$87.0	\$136.6	\$1,380.8
Primary Lines									
Demand	D2	\$5,669.7	-\$3.6	\$5,666.1	\$0.0	\$25.7	\$102.9	\$161.5	\$1,948.9
Customer	C1	\$8,249.7	-\$5.3	\$8,244.4	\$0.0	\$37.4	\$149.7	\$235.0	\$2,835.6
Subtotal Pri Lines		\$13,919.4	-\$8.9	\$13,910.5	\$0.0	\$63.1	\$252.6	\$396.5	\$4,784.5
Secondary Lines									
Demand	D3	\$2,783.7	-\$1.8	\$2,781.9	\$0.0	\$12.6	\$50.5	\$79.3	\$956.8
Customer	C2	\$3,083.7	-\$2.0	\$3,081.7	\$0.0	\$14.0	\$55.9	\$87.8	\$1,060.2
Subtotal Sec Lines		\$5,867.4	-\$3.8	\$5,863.6	\$0.0	\$26.6	\$106.4	\$167.1	\$2,017.0
Subtotal Lines		\$19,786.8	-\$12.7	\$19,774.1	\$0.0	\$89.7	\$359.0	\$563.6	\$6,801.5
Line Transformers									
Demand	D3	\$2,545.5	-\$1.6	\$2,543.9	\$0.0	\$11.5	\$46.2	\$72.5	\$634.6
Customer	C3	\$22,392.3	-\$14.4	\$22,377.9	\$0.0	\$101.6	\$406.3	\$637.9	\$5,584.2
Subtotal Transf		\$24,937.8	-\$16.0	\$24,921.8	\$0.0	\$113.1	\$452.5	\$710.4	\$6,218.8
Services	C4	\$6,979.9	-\$4.5	\$6,975.4	\$0.0	\$31.6	\$126.6	\$198.8	\$1,796.0
Meters	C5	\$1,177.7	-\$0.8	\$1,176.9	\$0.0	\$5.4	\$21.4	\$33.6	\$477.2
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$57,677.8	-\$37.1	\$57,640.7	\$0.0	\$261.5	\$1,046.5	\$1,643.0	\$16,674.3
Customer Accts	C6	\$1,453.2	-\$0.9	\$1,452.3	\$0.0	\$6.6	\$26.4	\$41.4	\$2,256.0
Uncollectibles	C7	-\$1.6	\$0.0	-\$1.6	\$5.0	\$0.0	\$0.0	-\$0.1	\$145.3
Customer Service	C8	\$52.2	\$0.0	\$52.2	\$0.0	\$0.3	\$1.0	\$1.5	\$78.7
Total		\$97,337.1	-\$62.5	\$97,274.6	\$5.0	\$441.4	\$1,766.1	\$2,772.7	\$85,706.7
Demand		\$50,532.4	-\$32.4	\$50,500.0	\$0.0	\$229.0	\$916.8	\$1,439.4	\$27,335.1
Energy		\$3,417.6	-\$2.2	\$3,415.4	\$0.0	\$15.5	\$62.0	\$97.4	\$44,138.4
Customer		\$43,387.1	-\$27.9	\$43,359.2	\$5.0	\$196.9	\$787.3	\$1,235.9	\$14,233.2
Total Expense		\$97,337.1	-\$62.5	\$97,274.6	\$5.0	\$441.4	\$1,766.1	\$2,772.7	\$85,706.7

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule J - General Service Demand Total

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 68 OF 161

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$93,585.9	-\$43.7	\$93,542.2	\$0.0	\$311.7	\$1,246.6	\$1,957.3	\$88,591.2
Energy	E1	\$18,982.2	-\$8.9	\$18,973.3	\$0.0	\$63.2	\$252.8	\$397.0	\$245,179.3
Total Production		\$112,568.1	-\$52.6	\$112,515.5	\$0.0	\$374.9	\$1,499.4	\$2,354.3	\$333,770.5
<u>Transmission</u>									
	D1	\$72,225.6	-\$33.7	\$72,191.9	\$0.0	\$240.5	\$962.1	\$1,510.5	\$18,693.7
<u>Distribution</u>									
Substations	D2	\$22,209.2	-\$10.4	\$22,198.8	\$0.0	\$74.0	\$295.8	\$464.5	\$6,435.4
Primary Lines									
Demand	D2	\$26,256.8	-\$12.3	\$26,244.5	\$0.0	\$87.4	\$349.7	\$549.1	\$9,072.5
Customer	C1	\$2,829.2	-\$1.3	\$2,827.9	\$0.0	\$9.4	\$37.7	\$59.2	\$977.6
Subtotal Pri Lines		\$29,086.0	-\$13.6	\$29,072.4	\$0.0	\$96.8	\$387.4	\$608.3	\$10,050.1
Secondary Lines									
Demand	D3	\$10,114.3	-\$4.7	\$10,109.6	\$0.0	\$33.7	\$134.7	\$211.5	\$3,495.1
Customer	C2	\$856.6	-\$0.4	\$856.2	\$0.0	\$2.9	\$11.4	\$17.9	\$296.1
Subtotal Sec Lines		\$10,970.9	-\$5.1	\$10,965.8	\$0.0	\$36.6	\$146.1	\$229.4	\$3,791.2
Subtotal Lines		\$40,056.9	-\$18.7	\$40,038.2	\$0.0	\$133.4	\$533.5	\$837.7	\$13,841.3
Line Transformers									
Demand	D3	\$9,249.1	-\$4.3	\$9,244.8	\$0.0	\$30.8	\$123.2	\$193.4	\$2,323.0
Customer	C3	\$12,194.8	-\$5.7	\$12,189.1	\$0.0	\$40.6	\$162.4	\$255.0	\$3,063.1
Subtotal Transf		\$21,443.9	-\$10.0	\$21,433.9	\$0.0	\$71.4	\$285.6	\$448.4	\$5,386.1
Services	C4	\$4,655.7	-\$2.2	\$4,653.5	\$0.0	\$15.5	\$62.0	\$97.3	\$1,206.2
Meters	C5	\$2,933.9	-\$1.4	\$2,932.5	\$0.0	\$9.8	\$39.1	\$61.4	\$1,194.0
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$91,299.6	-\$42.7	\$91,256.9	\$0.0	\$304.1	\$1,216.0	\$1,909.3	\$28,063.0
Customer Accts	C6	\$466.2	-\$0.2	\$466.0	\$0.0	\$1.6	\$6.2	\$9.7	\$724.6
Uncollectibles	C7	-\$2.6	\$0.0	-\$2.6	\$10.5	\$0.0	\$0.0	-\$0.1	\$229.6
Customer Service	C8	\$821.0	-\$0.4	\$820.6	\$0.0	\$2.7	\$10.9	\$17.2	\$1,234.4
Total		\$277,377.9	-\$129.6	\$277,248.3	\$10.5	\$923.8	\$3,694.6	\$5,800.9	\$382,715.8
Demand		\$233,640.9	-\$109.1	\$233,531.8	\$0.0	\$778.1	\$3,112.1	\$4,886.3	\$128,610.9
Energy		\$18,982.2	-\$8.9	\$18,973.3	\$0.0	\$63.2	\$252.8	\$397.0	\$245,179.3
Customer		\$24,754.8	-\$11.6	\$24,743.2	\$10.5	\$82.5	\$329.7	\$517.6	\$8,925.6
Total Expense		\$277,377.9	-\$129.6	\$277,248.3	\$10.5	\$923.8	\$3,694.6	\$5,800.9	\$382,715.8

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 69 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule H - Commercial Cooking, Heating, Cooling, & Refrigeration Service

		<u>Present Rate Base (\$000s)</u>	<u>Change In Work Cash (\$000s)</u>	<u>Proposed Rate Base (\$000s)</u>	<u>Change In Oper & Main (\$000s)</u>	<u>Change In Rev Tax (\$000s)</u>	<u>Change In Income Tax (\$000s)</u>	<u>Change In Return (\$000s)</u>	<u>Proposed Revenue (\$000s)</u>
<u>Production</u>									
Demand	D1	\$1,954.3	-\$2.4	\$1,951.9	\$0.0	\$17.2	\$68.7	\$107.9	\$1,845.3
Energy	E1	\$372.5	-\$0.5	\$372.0	\$0.0	\$3.3	\$13.1	\$20.6	\$4,809.7
Total Production		\$2,326.8	-\$2.9	\$2,323.9	\$0.0	\$20.5	\$81.8	\$128.5	\$6,655.0
<u>Transmission</u>									
	D1	\$1,508.0	-\$1.9	\$1,506.1	\$0.0	\$13.3	\$53.0	\$83.3	\$387.0
<u>Distribution</u>									
Substations	D2	\$469.4	-\$0.6	\$468.8	\$0.0	\$4.1	\$16.5	\$25.9	\$134.9
Primary Lines									
Demand	D2	\$554.8	-\$0.7	\$554.1	\$0.0	\$4.9	\$19.5	\$30.6	\$190.4
Customer	C1	\$291.2	-\$0.4	\$290.8	\$0.0	\$2.6	\$10.2	\$16.1	\$100.1
Subtotal Pri Lines		\$846.0	-\$1.1	\$844.9	\$0.0	\$7.5	\$29.7	\$46.7	\$290.5
Secondary Lines									
Demand	D3	\$242.7	-\$0.3	\$242.4	\$0.0	\$2.1	\$8.5	\$13.4	\$83.2
Customer	C2	\$96.2	-\$0.1	\$96.1	\$0.0	\$0.9	\$3.4	\$5.3	\$33.1
Subtotal Sec Lines		\$338.9	-\$0.4	\$338.5	\$0.0	\$3.0	\$11.9	\$18.7	\$116.3
Subtotal Lines		\$1,184.9	-\$1.5	\$1,183.4	\$0.0	\$10.5	\$41.6	\$65.4	\$406.8
Line Transformers									
Demand	D3	\$222.0	-\$0.3	\$221.7	\$0.0	\$1.9	\$7.8	\$12.3	\$55.3
Customer	C3	\$1,046.3	-\$1.3	\$1,045.0	\$0.0	\$9.2	\$36.8	\$57.8	\$260.5
Subtotal Transf		\$1,268.3	-\$1.6	\$1,266.7	\$0.0	\$11.1	\$44.6	\$70.1	\$315.8
Services	C4	\$211.6	-\$0.3	\$211.3	\$0.0	\$1.9	\$7.4	\$11.7	\$54.4
Meters	C5	\$43.7	-\$0.1	\$43.6	\$0.0	\$0.4	\$1.5	\$2.4	\$17.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$3,177.9	-\$4.1	\$3,173.8	\$0.0	\$28.0	\$111.6	\$175.5	\$929.6
Customer Accts	C6	\$41.5	-\$0.1	\$41.4	\$0.0	\$0.4	\$1.5	\$2.3	\$64.5
Uncollectibles	C7	-\$0.2	\$0.0	-\$0.2	\$0.7	\$0.0	\$0.0	\$0.0	\$15.0
Customer Service	C8	\$2.5	\$0.0	\$2.5	\$0.0	\$0.0	\$0.1	\$0.1	\$3.8
Total		\$7,056.5	-\$9.0	\$7,047.5	\$0.7	\$62.2	\$248.0	\$389.7	\$8,054.9
Demand		\$4,951.2	-\$6.2	\$4,945.0	\$0.0	\$43.5	\$174.0	\$273.4	\$2,696.1
Energy		\$372.5	-\$0.5	\$372.0	\$0.0	\$3.3	\$13.1	\$20.6	\$4,809.7
Customer		\$1,732.8	-\$2.3	\$1,730.5	\$0.7	\$15.4	\$60.9	\$95.7	\$549.1
Total Expense		\$7,056.5	-\$9.0	\$7,047.5	\$0.7	\$62.2	\$248.0	\$389.7	\$8,054.9

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 70 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule PS - Large Power Service - Secondary

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
Production									
Demand	D1	\$33,648.6	-\$24.1	\$33,624.5	\$0.0	\$172.2	\$688.7	\$1,081.3	\$31,877.7
Energy	E1	\$7,651.2	-\$5.5	\$7,645.7	\$0.0	\$39.1	\$156.6	\$245.9	\$98,826.2
Total Production		\$41,299.8	-\$29.6	\$41,270.2	\$0.0	\$211.3	\$845.3	\$1,327.2	\$130,703.9
Transmission									
	D1	\$25,968.7	-\$18.6	\$25,950.1	\$0.0	\$132.9	\$531.5	\$834.5	\$6,740.6
Distribution									
Substations	D2	\$7,776.0	-\$5.6	\$7,770.4	\$0.0	\$39.8	\$159.1	\$249.9	\$2,259.0
Primary Lines									
Demand	D2	\$9,193.2	-\$6.6	\$9,186.6	\$0.0	\$47.0	\$188.2	\$295.4	\$3,183.7
Customer	C1	\$46.5	\$0.0	\$46.5	\$0.0	\$0.3	\$1.0	\$1.5	\$16.1
Subtotal Pri Lines		\$9,239.7	-\$6.6	\$9,233.1	\$0.0	\$47.3	\$189.2	\$296.9	\$3,199.8
Secondary Lines									
Demand	D3	\$3,705.4	-\$2.7	\$3,702.7	\$0.0	\$18.9	\$75.8	\$119.1	\$1,282.8
Customer	C2	\$14.8	\$0.0	\$14.8	\$0.0	\$0.1	\$0.3	\$0.5	\$5.1
Subtotal Sec Lines		\$3,720.2	-\$2.7	\$3,717.5	\$0.0	\$19.0	\$76.1	\$119.6	\$1,287.9
Subtotal Lines		\$12,959.9	-\$9.3	\$12,950.6	\$0.0	\$66.3	\$265.3	\$416.5	\$4,487.7
Line Transformers									
Demand	D3	\$3,388.7	-\$2.4	\$3,386.3	\$0.0	\$17.3	\$69.4	\$108.9	\$853.8
Customer	C3	\$891.2	-\$0.6	\$890.6	\$0.0	\$4.5	\$18.2	\$28.6	\$224.5
Subtotal Transf		\$4,279.9	-\$3.0	\$4,276.9	\$0.0	\$21.8	\$87.6	\$137.5	\$1,078.3
Services	C4	\$100.4	-\$0.1	\$100.3	\$0.0	\$0.5	\$2.1	\$3.2	\$26.0
Meters	C5	\$67.9	\$0.0	\$67.9	\$0.0	\$0.4	\$1.4	\$2.2	\$27.7
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$25,184.1	-\$18.0	\$25,166.1	\$0.0	\$128.8	\$515.5	\$809.3	\$7,878.7
Customer Accts	C6	\$12.8	\$0.0	\$12.8	\$0.0	\$0.1	\$0.3	\$0.4	\$20.0
Uncollectibles	C7	-\$1.1	\$0.0	-\$1.1	\$5.4	\$0.0	\$0.0	\$0.0	\$99.8
Customer Service	C8	\$447.0	-\$0.3	\$446.7	\$0.0	\$2.3	\$9.1	\$14.4	\$672.5
Total		\$92,911.3	-\$66.5	\$92,844.8	\$5.4	\$475.4	\$1,901.7	\$2,985.8	\$146,115.5
Demand		\$83,680.6	-\$60.0	\$83,620.6	\$0.0	\$428.1	\$1,712.7	\$2,689.1	\$46,197.6
Energy		\$7,651.2	-\$5.5	\$7,645.7	\$0.0	\$39.1	\$156.6	\$245.9	\$98,826.2
Customer		\$1,579.5	-\$1.0	\$1,578.5	\$5.4	\$8.2	\$32.4	\$50.8	\$1,091.7
Total Expense		\$92,911.3	-\$66.5	\$92,844.8	\$5.4	\$475.4	\$1,901.7	\$2,985.8	\$146,115.5

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 71 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule PP - Large Power Service - Primary

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$77,569.3	-\$67.4	\$77,501.9	\$0.0	\$481.4	\$1,925.9	\$3,023.7	\$73,492.2
Energy	E1	\$18,626.0	-\$16.2	\$18,609.8	\$0.0	\$115.6	\$462.4	\$726.1	\$240,589.3
Total Production		\$96,195.3	-\$83.6	\$96,111.7	\$0.0	\$597.0	\$2,388.3	\$3,749.8	\$314,081.5
<u>Transmission</u>									
	D1	\$59,864.9	-\$52.0	\$59,812.9	\$0.0	\$371.5	\$1,486.3	\$2,333.6	\$15,543.5
<u>Distribution</u>									
Substations	D2	\$17,671.5	-\$15.4	\$17,656.1	\$0.0	\$109.7	\$438.8	\$688.9	\$5,135.4
Primary Lines									
Demand	D2	\$20,892.2	-\$18.2	\$20,874.0	\$0.0	\$129.7	\$518.7	\$814.4	\$7,236.3
Customer	C1	\$23.4	\$0.0	\$23.4	\$0.0	\$0.1	\$0.6	\$0.9	\$8.3
Subtotal Pri Lines		\$20,915.6	-\$18.2	\$20,897.4	\$0.0	\$129.8	\$519.3	\$815.3	\$7,244.6
Secondary Lines									
Demand	D3	\$2,825.4	-\$2.5	\$2,822.9	\$0.0	\$17.6	\$70.2	\$110.2	\$979.1
Customer	C2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Sec Lines		\$2,825.4	-\$2.5	\$2,822.9	\$0.0	\$17.6	\$70.2	\$110.2	\$979.1
Subtotal Lines		\$23,741.0	-\$20.7	\$23,720.3	\$0.0	\$147.4	\$589.5	\$925.5	\$8,223.7
Line Transformers									
Demand	D3	\$2,583.6	-\$2.2	\$2,581.4	\$0.0	\$16.1	\$64.2	\$100.8	\$651.1
Customer	C3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Transf		\$2,583.6	-\$2.2	\$2,581.4	\$0.0	\$16.1	\$64.2	\$100.8	\$651.1
Services	C4	\$142.4	-\$0.1	\$142.3	\$0.0	\$0.9	\$3.5	\$5.6	\$37.0
Meters	C5	\$237.7	-\$0.2	\$237.5	\$0.0	\$1.5	\$5.9	\$9.3	\$96.8
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$44,376.2	-\$38.6	\$44,337.6	\$0.0	\$275.6	\$1,101.9	\$1,730.1	\$14,144.0
Customer Accts	C6	\$11.4	\$0.0	\$11.4	\$0.0	\$0.1	\$0.3	\$0.5	\$17.8
Uncollectibles	C7	-\$0.6	\$0.0	-\$0.6	\$14.2	\$0.0	\$0.0	\$0.0	\$64.7
Customer Service	C8	\$849.6	-\$0.7	\$848.9	\$0.0	\$5.3	\$21.1	\$33.1	\$1,278.4
Total		\$201,296.8	-\$174.9	\$201,121.9	\$14.2	\$1,249.5	\$4,997.9	\$7,847.1	\$345,129.9
Demand		\$181,406.9	-\$157.7	\$181,249.2	\$0.0	\$1,126.0	\$4,504.1	\$7,071.6	\$103,037.6
Energy		\$18,626.0	-\$16.2	\$18,609.8	\$0.0	\$115.6	\$462.4	\$726.1	\$240,589.3
Customer		\$1,263.9	-\$1.0	\$1,262.9	\$14.2	\$7.9	\$31.4	\$49.4	\$1,503.0
Total Expense		\$201,296.8	-\$174.9	\$201,121.9	\$14.2	\$1,249.5	\$4,997.9	\$7,847.1	\$345,129.9

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 72 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule PT - Large Power Service - Transmission

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$6,221.4	-\$8.9	\$6,212.5	\$0.0	\$63.6	\$254.4	\$399.4	\$5,896.0
Energy	E1	\$1,574.4	-\$2.2	\$1,572.2	\$0.0	\$16.1	\$64.4	\$101.1	\$20,336.2
Total Production		\$7,795.8	-\$11.1	\$7,784.7	\$0.0	\$79.7	\$318.8	\$500.5	\$26,232.2
<u>Transmission</u>									
	D1	\$4,801.5	-\$6.9	\$4,794.6	\$0.0	\$49.1	\$196.3	\$308.2	\$1,248.0
<u>Distribution</u>									
Substations	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Primary Lines									
Demand	D2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Pri Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Secondary Lines									
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Sec Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Lines		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Line Transformers									
Demand	D3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Customer	C3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal Transf		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Services	C4	\$34.1	\$0.0	\$34.1	\$0.0	\$0.3	\$1.4	\$2.2	\$8.8
Meters	C5	\$39.5	-\$0.1	\$39.4	\$0.0	\$0.4	\$1.6	\$2.5	\$16.2
Street Lighting	C9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Distribution Total		\$73.6	-\$0.1	\$73.5	\$0.0	\$0.7	\$3.0	\$4.7	\$25.0
Customer Accts	C6	\$0.2	\$0.0	\$0.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.3
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$1.5	\$0.0	\$0.0	\$0.0	\$1.5
Customer Service	C8	\$2.0	\$0.0	\$2.0	\$0.0	\$0.0	\$0.1	\$0.1	\$3.1
Total		\$12,673.1	-\$18.1	\$12,655.0	\$1.5	\$129.5	\$518.2	\$813.5	\$27,510.1
Demand									
		\$11,022.9	-\$15.8	\$11,007.1	\$0.0	\$112.7	\$450.7	\$707.6	\$7,144.0
Energy									
		\$1,574.4	-\$2.2	\$1,572.2	\$0.0	\$16.1	\$64.4	\$101.1	\$20,336.2
Customer									
		\$75.8	-\$0.1	\$75.7	\$1.5	\$0.7	\$3.1	\$4.8	\$29.9
Total Expense		\$12,673.1	-\$18.1	\$12,655.0	\$1.5	\$129.5	\$518.2	\$813.5	\$27,510.1

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Functionalization of Class Sales Revenues At Equal ROR
Schedule F - Public Street Lighting, Highway Lighting, & Park & Playground Floodlighting

		Present Rate Base (\$000s)	Change In Work Cash (\$000s)	Proposed Rate Base (\$000s)	Change In Oper & Main (\$000s)	Change In Rev Tax (\$000s)	Change In Income Tax (\$000s)	Change In Return (\$000s)	Proposed Revenue (\$000s)
<u>Production</u>									
Demand	D1	\$2,767.5	-\$5.6	\$2,761.9	\$0.0	\$39.8	\$159.1	\$249.8	\$2,615.4
Energy	E1	\$342.9	-\$0.7	\$342.2	\$0.0	\$4.9	\$19.7	\$30.9	\$4,427.7
Total Production		\$3,110.4	-\$6.3	\$3,104.1	\$0.0	\$44.7	\$178.8	\$280.7	\$7,043.1
<u>Transmission</u>									
	D1	\$2,135.5	-\$4.3	\$2,131.2	\$0.0	\$30.7	\$122.8	\$192.7	\$549.6
<u>Distribution</u>									
Substations	D2	\$711.5	-\$1.4	\$710.1	\$0.0	\$10.2	\$40.9	\$64.2	\$204.9
Primary Lines									
Demand	D2	\$841.4	-\$1.7	\$839.7	\$0.0	\$12.1	\$48.4	\$75.9	\$289.6
Customer	C1	\$100.2	-\$0.2	\$100.0	\$0.0	\$1.4	\$5.8	\$9.0	\$34.5
Subtotal Pri Lines		\$941.6	-\$1.9	\$939.7	\$0.0	\$13.5	\$54.2	\$84.9	\$324.1
Secondary Lines									
Demand	D3	\$53.9	-\$0.1	\$53.8	\$0.0	\$0.8	\$3.1	\$4.9	\$18.5
Customer	C2	\$10.1	\$0.0	\$10.1	\$0.0	\$0.1	\$0.6	\$0.9	\$3.5
Subtotal Sec Lines		\$64.0	-\$0.1	\$63.9	\$0.0	\$0.9	\$3.7	\$5.8	\$22.0
Subtotal Lines		\$1,005.6	-\$2.0	\$1,003.6	\$0.0	\$14.4	\$57.9	\$90.7	\$346.1
Line Transformers									
Demand	D3	\$49.2	-\$0.1	\$49.1	\$0.0	\$0.7	\$2.8	\$4.4	\$12.4
Customer	C3	\$93.8	-\$0.2	\$93.6	\$0.0	\$1.4	\$5.4	\$8.5	\$23.3
Subtotal Transf		\$143.0	-\$0.3	\$142.7	\$0.0	\$2.1	\$8.2	\$12.9	\$35.7
Services	C4	\$182.7	-\$0.4	\$182.3	\$0.0	\$2.6	\$10.5	\$16.5	\$46.9
Meters	C5	\$48.1	-\$0.1	\$48.0	\$0.0	\$0.7	\$2.8	\$4.3	\$19.3
Street Lighting	C9	\$35.4	-\$0.1	\$35.3	\$15.3	\$0.5	\$2.0	\$3.2	\$56.1
Distribution Total		\$2,126.3	-\$4.3	\$2,122.0	\$15.3	\$30.5	\$122.3	\$191.8	\$709.0
Customer Accts	C6	\$22.4	\$0.0	\$22.4	\$0.0	\$0.3	\$1.3	\$2.0	\$34.9
Uncollectibles	C7	\$0.0	\$0.0	\$0.0	\$1.2	\$0.0	\$0.0	\$0.0	\$3.2
Customer Service	C8	\$0.3	\$0.0	\$0.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.8
Total		\$7,394.9	-\$14.9	\$7,380.0	\$16.5	\$106.2	\$425.2	\$667.2	\$8,340.6
Demand									
		\$6,559.0	-\$13.2	\$6,545.8	\$0.0	\$94.3	\$377.1	\$591.9	\$3,690.4
Energy									
		\$342.9	-\$0.7	\$342.2	\$0.0	\$4.9	\$19.7	\$30.9	\$4,427.7
Customer									
		\$493.0	-\$1.0	\$492.0	\$16.5	\$7.0	\$28.4	\$44.4	\$222.5
Total Expense		\$7,394.9	-\$14.9	\$7,380.0	\$16.5	\$106.2	\$425.2	\$667.2	\$8,340.6

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule R/E - Customer-Related Costs By Phase At Proposed Rates

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$17,052.5	2.00	\$5.44	\$10.88
Secondary Lines	\$7,783.8	1.33	\$2.48	\$3.30
Line Transformers	\$3,426.8	2.00	\$1.09	\$2.18
Services	\$12,949.2	1.18	\$4.13	\$4.87
Meters	\$2,669.9	2.41	\$0.85	\$2.05
Distribution Sub-total	\$43,882.2		\$13.99	\$23.28
Customer Accounts	\$17,146.4	1.00	\$5.47	\$5.47
Uncollectibles	\$1,092.3	1.00	\$0.35	\$0.35
Customer Service	\$3,815.5	1.00	\$1.22	\$1.22
Cust. Acct, Serv Sub-total	\$22,054.2		\$7.04	\$7.04
Total Customer Cost	\$65,936.4		\$21.03	\$30.32

<u>TY Number of Bills:</u>	<u>No. of Bills</u>
1-Phase Bills	3,134,056
3-Phase Bills	1,568
Total	3,135,624

Col. A: Revenue Requirement at 5.70% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule G - Customer-Related Costs By Phase At Proposed Rates

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$2,896.3	2.00	\$6.70	\$13.40
Secondary Lines	\$1,083.0	1.33	\$3.08	\$4.10
Line Transformers	\$5,748.9	10.00	\$4.13	\$41.30
Services	\$1,847.5	1.18	\$5.53	\$6.53
Meters	\$485.8	2.41	\$1.01	\$2.43
Distribution Sub-total	\$12,061.5		\$20.45	\$67.76
Customer Accounts	\$2,266.8	1.00	\$7.26	\$7.26
Uncollectibles	\$149.4	1.00	\$0.48	\$0.48
Customer Service	\$75.9	1.00	\$0.24	\$0.24
Cust. Acct, Serv Sub-total	\$2,492.1		\$7.98	\$7.98
Total Customer Cost	\$14,553.6		\$28.43	\$75.74

<u>TY Number of Bills:</u>	<u>No. of Bills</u>
1-Phase Bills	192,429
3-Phase Bills	119,955
Total	312,384

Col. A: Revenue Requirement at 9.33% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule J - Customer-Related Costs By Phase At Proposed Rates

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$1,140.2	2.00	\$7.53	\$15.06
Secondary Lines	\$345.4	1.33	\$3.35	\$4.46
Line Transformers	\$3,764.1	2.00	\$24.85	\$49.70
Services	\$1,473.8	1.04	\$17.98	\$18.70
Meters	\$1,362.6	1.74	\$10.27	\$17.87
Distribution Sub-total	\$8,086.1		\$63.98	\$105.79
Customer Accounts	\$751.5	1.00	\$9.51	\$9.51
Uncollectibles	\$233.2	1.00	\$2.95	\$2.95
Customer Service	\$1,203.6	1.00	\$15.23	\$15.23
Cust. Acct, Serv Sub-total	\$2,188.3		\$27.69	\$27.69
Total Customer Cost	\$10,274.4		\$91.67	\$133.48

TY Number of Bills:	No. of Bills
1-Phase Bills	6,621
3-Phase Bills	72,433
Total	79,054

Col. A: Revenue Requirement at 12.12% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule H - Customer-Related Costs By Phase At Proposed Rates

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$92.6	2.00	\$6.10	\$12.20
Secondary Lines	\$30.5	1.33	\$2.77	\$3.68
Line Transformers	\$233.6	10.00	\$3.59	\$35.90
Services	\$49.0	1.18	\$4.86	\$5.73
Meters	\$16.6	2.41	\$0.94	\$2.27
Distribution Sub-total	\$422.3		\$18.26	\$59.78
Customer Accounts	\$63.4	1.00	\$7.08	\$7.08
Uncollectibles	\$15.2	1.00	\$1.70	\$1.70
Customer Service	\$3.6	1.00	\$0.40	\$0.40
Cust. Acct, Serv Sub-total	\$82.2		\$9.18	\$9.18
Total Customer Cost	\$504.5		\$27.44	\$68.96

<u>TY Number of Bills:</u>	<u>No. of Bills</u>
1-Phase Bills	2,721
3-Phase Bills	6,231
Total	8,952

Col. A: Revenue Requirement at 7.49% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule R/E - Customer-Related Costs By Service Phase At Equal ROR

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$20,493.3	2.00	\$6.53	\$13.06
Secondary Lines	\$9,354.4	1.33	\$2.98	\$3.96
Line Transformers	\$4,461.6	2.00	\$1.42	\$2.84
Services	\$16,703.5	1.18	\$5.33	\$6.29
Meters	\$3,112.8	2.41	\$0.99	\$2.39
Distribution Sub-total	\$54,125.6		\$17.25	\$28.54
Customer Accounts	\$17,804.9	1.00	\$5.68	\$5.68
Uncollectibles	\$1,086.5	1.00	\$0.35	\$0.35
Customer Service	\$4,136.7	1.00	\$1.32	\$1.32
Cust. Acct, Serv Sub-total	\$23,028.1		\$7.35	\$7.35
Total Customer Cost	\$77,153.7		\$24.60	\$35.89

<u>TY Number of Bills:</u>	<u>No. of Bills</u>
1-Phase Bills	3,134,056
3-Phase Bills	1,568
Total	3,135,624

Col. A: Revenue Requirement at 8.92% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule G - Customer-Related Costs By Phase At Equal ROR

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$2,835.6	2.00	\$6.56	\$13.12
Secondary Lines	\$1,060.2	1.33	\$3.01	\$4.00
Line Transformers	\$5,584.2	10.00	\$4.01	\$40.10
Services	\$1,796.0	1.18	\$5.38	\$6.35
Meters	\$477.2	2.41	\$0.99	\$2.39
Distribution Sub-total	\$11,753.2		\$19.95	\$65.96
Customer Accounts	\$2,256.0	1.00	\$7.22	\$7.22
Uncollectibles	\$145.3	1.00	\$0.47	\$0.47
Customer Service	\$78.7	1.00	\$0.25	\$0.25
Cust. Acct, Serv Sub-total	\$2,480.0		\$7.94	\$7.94
Total Customer Cost	\$14,233.2		\$27.89	\$73.90

TY Number of Bills:	No. of Bills
1-Phase Bills	192,429
3-Phase Bills	119,955
Total	312,384

Col. A: Revenue Requirement at 8.92% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule J - Customer-Related Costs By Phase At Equal ROR

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$977.6	2.00	\$6.45	\$12.90
Secondary Lines	\$296.1	1.33	\$2.88	\$3.83
Line Transformers	\$3,063.1	2.00	\$20.22	\$40.44
Services	\$1,206.2	1.04	\$14.72	\$15.31
Meters	\$1,194.0	1.74	\$9.00	\$15.66
Distribution Sub-total	\$6,737.0		\$53.27	\$88.14
Customer Accounts	\$724.6	1.00	\$9.17	\$9.17
Uncollectibles	\$229.6	1.00	\$2.90	\$2.90
Customer Service	\$1,234.4	1.00	\$15.61	\$15.61
Cust. Acct, Serv Sub-total	\$2,188.6		\$27.68	\$27.68
Total Customer Cost	\$8,925.6		\$80.95	\$115.82

TY Number of Bills:	No. of Bills
1-Phase Bills	6,621
3-Phase Bills	72,433
Total	79,054

Col. A: Revenue Requirement at 8.92% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Schedule H - Customer-Related Costs By Phase At Equal ROR

Function	(A) Customer Related Rev Req (\$000s)	(B) 3PH/1PH Cost Ratio	(C) Unit Cost 1-Phase (\$/Bill)	(D) Unit Cost 3-Phase (\$/Bill)
Primary Lines	\$100.1	2.00	\$6.59	\$13.18
Secondary Lines	\$33.1	1.33	\$3.01	\$4.00
Line Transformers	\$260.5	10.00	\$4.01	\$40.10
Services	\$54.4	1.18	\$5.40	\$6.37
Meters	\$17.7	2.41	\$1.00	\$2.41
Distribution Sub-total	\$465.8		\$20.01	\$66.06
Customer Accounts	\$64.5	1.00	\$7.21	\$7.21
Uncollectibles	\$15.0	1.00	\$1.68	\$1.68
Customer Service	\$3.8	1.00	\$0.42	\$0.42
Cust. Acct, Serv Sub-total	\$83.3		\$9.31	\$9.31
Total Customer Cost	\$549.1		\$29.32	\$75.37

TY Number of Bills:	No. of Bills
1-Phase Bills	2,721
3-Phase Bills	6,231
Total	8,952

Col. A: Revenue Requirement at 8.92% Rate of Return
Col. B: 3-Phase to 1-Phase Cost Ratio Based on Installed Cost.
Col. C: $\text{Col. A} \div ((\text{Col. B} \times \text{No. 3-Phase Bills}) + \text{No. 1-Phase Bills})$
Col. D: $\text{Col. B} \times \text{Col. C}$

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Non-Coincident Customer Demand By Rate Class

Rate Class	Customer Class	TY Sales (MWH)	Load Factor (KWH/KW)	NCD Dmd (MW)	Sales To Gross Ratio	NCD Gross Dmd (MW)
Schedule R	Residential Service	2,107,611.0	139.80	15,075.9	1.0961	16,524.7
Schedule E	Employee Service	21,289.00	139.80	152.3	1.0962	167.0
Total R/E	Total Residential	2,128,900.0	139.80	15,228.2	1.0961	16,691.7
Schedule G	General Power - Non-Demand	371,800.0	215.54	1,725.0	1.0961	1,890.8
Schedule J-DP	Demand - Dist Pri	206,673.0	353.42	584.8	1.077	629.8
Schedule J-DS	Demand - Dist Sec	21,102.0	353.42	59.7	1.0905	65.1
Total J-Pri	Demand - Total Pri	227,775.0	353.41	644.5		694.9
Schedule J-Sec	Demand - Sec	1,782,545.0	353.42	5,043.7	1.0961	5,528.4
Schedule J-Nwk	Demand - Nwk	56,064.0	353.42	158.6	1.0961	173.8
Total J-Sec	Demand - Total Sec	1,838,609.0	353.42	5,202.3		5,702.2
Total J	Demand - Total	2,068,800.0	353.83	5,846.8	1.0941	6,397.1
Schedule H/K	Comm Cooking, Heating, AC Refrigeration Service	40,500.0	318.46	127.2	1.0961	139.4
Schedule P-TP	Large Power - Trans Pri	175,161.0	0.00	-	1.0716	-
Schedule P-TS	Large Power - Trans Sec	0.0	0.00	-	1.0716	-
Total P-Trans	Large Power - Total Trans	175,161.0	0.00	-		-
Schedule P-DP	Large Power - Dist Pri	2,040,472.0	511.85	3,986.5	1.0770	4,293.5
Schedule P-DS	Large Power - Dist Sec	21,511.0	511.85	42.0	1.0906	45.8
Total P-Pri	Large Power - Total Pri	2,061,983.0	511.85	4,028.5		4,339.3
Schedule P-Sec	Large Power - Sec	682,206.0	499.96	1,364.5	1.0906	1,488.1
Schedule P-Nwk	Large Power - Nwk	153,650.0	499.96	307.3	1.0962	336.9
Total P-Sec	Large Power - Total Sec	835,856.0	499.97	1,671.8		1,825.0
Total P	Large Power - Total	3,073,000.0	539.09	5,700.3	1.0811	6,162.6
Schedule F1-DP	Street Lite - Dist Pri	31,261.0	332.95	93.9	1.0770	101.1
Schedule F1-DS	Street Lite - Dist Sec	0.0	332.95	-	1.0770	-
Total F1-Pri	Street Lite - Total Pri	31,261.0	332.92	93.9		101.1
Schedule F1-Sec	Street Lite - Total Sec	6,539.0	332.95	19.6	1.096	21.5
Total F1	Street Lite - Total	37,800.0	333.04	113.5	1.0817	122.8
Total System	HECO Total	7,720,800.0	268.63	28,741.0	1.0894	31,406.1

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Demand and Energy Allocation Factors

		R/E	G	Total J	H/K	Schedule PT		Schedule PP		Schedule PS			Total	
	UOM	Schedule R	Schedule G	Schedule J	Schedule H	P-TP	P-TS	P-DP	P-DS	P-Sec	P-Nwk	Total F	System	
<u>Energy Sales</u>														
Sales I	MWH	2,128,900.0	371,800.0	2,068,800.0	40,500.0	175,161.0	0.0	2,040,472.0	21,511.0	682,206.0	153,650.0	37,800.0	7,720,800.0	
Sales II	MWH	2,128,900.0	371,800.0	2,066,384.0	40,500.0	-	-	2,040,472.0	21,511.0	682,206.0	153,650.0	37,800.0	7,543,223.0	
Sales III	MWH	2,128,900.0	371,800.0	1,838,609.0	40,500.0	-	-	-	-	682,206.0	153,650.0	6,539.0	5,222,204.0	
<u>Gross Input To System</u>														
Gross I	MWH	2,333,563.0	407,544.0	2,263,568.0	44,392.0	187,708.0	-	2,197,601.0	23,460.0	744,003.0	168,430.0	40,888.0	8,411,157.0	
Gross II	MWH	2,333,563.0	407,544.0	2,263,568.0	44,392.0	-	-	2,197,601.0	23,460.0	744,003.0	168,430.0	40,888.0	8,223,449.0	
Gross III	MWH	2,333,563.0	407,544.0	2,015,364.0	44,392.0	-	-	-	-	744,003.0	168,430.0	7,167.0	5,720,463.0	
<u>Average Demand</u>														
Avg Dmd I	MW	266.4	46.5	258.4	5.1	21.4	0.0	250.9	2.7	84.9	19.2	4.7	960.2	
Avg Dmd II	MW	266.4	46.5	258.4	5.1	0.0	0.0	250.9	2.7	84.9	19.2	4.7	938.8	
Avg Dmd III	MW	266.4	46.5	230.1	5.1	0.0	0.0	0.0	0.0	84.9	19.2	0.8	653.0	
Class Load Factor	%	48.00	50.00	60.00	56.00	79.00	79.00	74.00	74.00	69.00	69.00	34.00	-	
<u>Class Peak Demand</u>														
Peak I	MW	555	93	430.7	9.1	27.1	0.0	339.1	3.6	123.0	27.8	13.8	1,622.2	
Peak II	MW	555	93	430.7	9.1	0.0	0.0	339.1	3.6	123.0	27.8	13.8	1,595.1	
Peak III	MW	555	93	383.5	9.1	0.0	0.0	0.0	0.0	123.0	27.8	2.4	1,193.8	
<u>Excess Demand</u>														
Level I	MW	288.6	46.5	172.3	4.0	5.7	0.0	88.2	0.9	38.1	8.6	9.1	662.0	
<u>Non-Coincident Cust. Dmd</u>														
NCCD III	MW	16,691.7	1,890.8	5,702.2	139.4	-	-	4,293.5	45.8	1,488.1	336.9	21.5	30,609.9	
<u>Energy Allocation Factors</u>														
Gross Input	E1	%	27.745%	4.845%	26.911%	0.528%	2.232%	0.000%	26.127%	0.279%	8.845%	2.002%	0.486%	100.000%
<u>Demand Allocation Factors</u>														
Average Excess Demand	D1	%	33.070%	5.576%	26.614%	0.556%	1.769%	0.000%	21.827%	0.232%	7.805%	1.764%	0.787%	100.000%
Class Peak Demand	D2	%	34.794%	5.830%	27.001%	0.571%	0.000%	0.000%	21.259%	0.226%	7.711%	1.743%	0.865%	100.000%
Composite NCD	D3	%	50.510%	6.984%	25.376%	0.609%	0.000%	0.000%	7.014%	0.075%	7.582%	1.715%	0.135%	100.000%

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 83 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Summary of Cost Allocation Factors

						Schedule PT		Schedule PP		Schedule PS		Total			
			UOM	Total R/E	G	Total J	H/K	P-TP	P-TS	P-DP	P-DS	P-SEC	P-Nwk	Total F	System
Demand Allocation Factors:															
Average Excess Demand	D1	%	33.070%	5.576%	26.614%	0.556%	1.769%	0.000%	21.827%	0.232%	7.805%	1.764%	0.787%	100.000%	
Class Peak Demand	D2	%	34.794%	5.830%	27.001%	0.571%	0.000%	0.000%	21.259%	0.226%	7.711%	1.743%	0.865%	100.000%	
Composite NCD	D3	%	50.510%	6.984%	25.376%	0.609%	0.000%	0.000%	7.014%	0.075%	7.582%	1.715%	0.135%	100.000%	
Non-Coin Customer Demand	MW		15,228.2	1,725.0	5,846.8	127.2	-	-	3,986.5	42.0	1,364.5	307.3	113.5	28,741.0	
Non-Coin Cust Dmd Factor		%	52.984%	6.002%	20.343%	0.443%	0.000%	0.000%	13.870%	0.146%	4.748%	1.069%	0.395%	100.000%	
Energy Allocation Factors:															
Gross Input Lvl I		MWH	2,333,563.0	407,544.0	2,263,568.0	44,392.0	187,708.0	-	2,197,601.0	23,460.0	744,003.0	168,430.0	40,888.0	8,411,157	
Gross Input Alloc Fctr	E1	%	27.745%	4.845%	26.911%	0.528%	2.232%	0.000%	26.127%	0.279%	8.845%	2.002%	0.486%	100.000%	
Energy Sales Lvl I		MWH	2,128,900.0	371,800.0	2,068,800.0	40,500.0	175,161.0	-	2,040,472.0	21,511.0	682,206.0	153,650.0	37,800.0	7,720,800	
Energy Sales Alloc Fctr	E10	%	27.575%	4.816%	26.796%	0.520%	2.269%	0.000%	26.429%	0.279%	8.836%	1.990%	0.490%	100.000%	
Revenue Allocation Factors:															
Sales Revenue		\$000s	432,975.6	80,721.8	372,286.2	7,354.1	26,047.3	-	331,021.2	-	140,747.4	-	7,125.4	1,398,279.0	
Sales Rev Alloc Fctr	R1	%	30.965%	5.773%	26.625%	0.526%	1.863%	0.000%	23.673%	0.000%	10.066%	0.000%	0.509%	100.000%	
Customer Allocation Factors:															
Average Customer		Number	261,302	26,032	6,588	746	4	0	155	8	176	16	437	295,464	
Avg Cust Alloc Fctr	C10	%	88.438%	8.811%	2.230%	0.252%	0.001%	0.000%	0.052%	0.003%	0.060%	0.005%	0.148%	100.000%	
Prim Line Wgt Fctr		Ratio	1.00	1.38	1.87	1.70	0.00	0.00	0.61	1.00	1.07	1.06	1.00	1.00	
Prim Line Wtd Customers		Number	261,302	35,924	12,320	1,268	-	-	95	8	188	17	437	311,559	
Prim Line Alloc Fctr	C1	%	83.871%	11.530%	3.954%	0.407%	0.000%	0.000%	0.030%	0.003%	0.060%	0.005%	0.140%	100.000%	
Sec Line Wgt Fctr		Ratio	1.00	1.13	1.24	1.23	0.00	0.00	0.00	0.00	0.71	1.00	0.22	1.00	
Sec Line Wtd Customers		Number	261,302	29,416	8,169	918	-	-	-	-	125	16	96	300,042	
Sec Line Alloc Fctr	C2	%	87.088%	9.804%	2.723%	0.306%	0.000%	0.000%	0.000%	0.000%	0.042%	0.005%	0.032%	100.000%	
Transf Wgt Fctr		Ratio	1.00	12.45	26.79	20.30	0.00	0.00	0.00	0.00	67.17	67.17	3.09	0.00	
Transf Wtd Customers		Number	261,302	324,098	176,493	15,144	-	-	-	-	11,822	1,075	1,350	791,284	
Transf Alloc Fctr	C3	%	33.023%	40.957%	22.305%	1.914%	0.000%	0.000%	0.000%	0.000%	1.494%	0.136%	0.171%	100.000%	
Service Wgt Fctr		Ratio	1.00	1.07	2.82	1.13	34.41	34.41	3.49	3.49	2.08	2.08	1.67	0.00	
Service Wtd Customers		Number	261,302	27,854	18,578	843	138	-	541	28	366	33	730	310,413	
Service Alloc Fctr	C4	%	84.179%	8.973%	5.985%	0.272%	0.044%	0.000%	0.174%	0.009%	0.118%	0.011%	0.235%	100.000%	
Meter Wgt Fctr		Ratio	1.00	1.53	15.06	1.98	334.48	334.48	49.33	49.33	11.97	11.97	3.72	0.00	
Meter Wtd Customers		Number	261,302	39,829	99,215	1,477	1,338	-	7,646	395	2,107	192	1,626	415,127	
Meter Alloc Fctr	C5	%	62.945%	9.594%	23.900%	0.356%	0.322%	0.000%	1.842%	0.095%	0.508%	0.046%	0.392%	100.000%	
Customer Acct Wgt Fctr		Ratio	1.00	1.27	1.61	1.27	1.48	1.46	1.58	1.55	1.51	1.49	1.18	0.00	
Customer Acct Wtd Customers		Number	261,302	33,061	10,607	947	6	-	245	12	266	24	516	306,986	
Cust Acct Alloc Fctr	C6	%	85.119%	10.770%	3.455%	0.308%	0.002%	0.000%	0.080%	0.004%	0.087%	0.008%	0.167%	100.000%	
Bad Debt Alloc Fctr	C7	%	66.310%	9.080%	14.180%	0.920%	0.000%	0.000%	3.270%	0.000%	6.110%	0.000%	0.130%	100.000%	
Customer Serv Alloc Fctr	C8	%	55.911%	1.058%	16.642%	0.051%	0.040%	0.000%	17.225%	0.000%	9.062%	0.000%	0.011%	100.000%	
Street Lite Alloc Fctr	C9	%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	100.000%	100.000%	

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 84 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Allocation of Customer-Related Other Operating Revenues By Rate Class

	Total R	G	Total J	H/K	Schedule PT		Schedule PP		Schedule PS		Total F	Total System
					P-TP	P-TS	P-DP	P-DS	P-SEC	P-Nwk		
Allocation Factors:												
Service Establishment Chrg	94.020%	5.090%	0.600%	0.270%	0.000%	0.000%	0.010%	0.000%	0.010%	0.000%	0.000%	100.000%
Field Collection Charge	78.310%	17.410%	3.560%	0.720%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	100.000%
Late Payment Charge, Reg	61.780%	10.360%	19.350%	1.130%	0.000%	0.000%	3.780%	0.000%	2.510%	0.000%	1.090%	100.000%
Late Payment Charge, OCARS	0.000%	0.000%	71.972%	0.000%	0.000%	28.028%	0.000%	0.000%	0.000%	0.000%	0.000%	100.000%
Reconnection Charge	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Returned Check Charge	91.120%	5.990%	2.240%	0.630%	0.000%	0.000%	0.000%	0.000%	0.020%	0.000%	0.000%	100.000%
Schedule Q Mtr Charge	0.000%	0.000%	100.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	100.000%
Energy Audit Fee	100.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	100.000%

Revenues At Present Rates (\$000s)

Service Establishment Chrg	\$743.7	\$40.3	\$4.7	\$2.1	\$0.0	\$0.0	\$0.1	\$0.0	\$0.1	\$0.0	\$0.0	\$791.0
Field Collection Charge	\$69.7	\$15.5	\$3.2	\$0.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$89.0
Late Payment Charge, Reg	\$820.5	\$137.6	\$257.0	\$15.0	\$0.0	\$0.0	\$50.2	\$0.0	\$33.3	\$0.0	\$14.5	\$1,328.1
Late Payment Charge, OCARS	\$0.0	\$0.0	\$3.6	\$0.0	\$0.0	\$1.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$5.0
Reconnection Charge	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Returned Check Charge	\$35.2	\$2.3	\$0.9	\$0.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$38.6
Schedule Q Mtr Charge	\$0.0	\$0.0	\$0.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.6
Payment Protection Program	\$128.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$128.0
Total Other Oper Rev @Present	\$1,797.1	\$195.7	\$270.0	\$17.9	\$0.0	\$1.4	\$50.3	\$0.0	\$33.4	\$0.0	\$14.5	\$2,380.3

Revenues At Proposed Rates (\$000s)

Service Establishment Chrg	\$1,080.3	\$58.5	\$6.9	\$3.1	\$0.0	\$0.0	\$0.1	\$0.0	\$0.1	\$0.0	\$0.0	\$1,149.0
Field Collection Charge	\$260.2	\$57.8	\$11.8	\$2.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$332.2
Late Payment Charge, Reg	\$878.6	\$147.3	\$275.2	\$16.1	\$0.0	\$0.0	\$53.8	\$0.0	\$35.7	\$0.0	\$15.5	\$1,422.2
Late Payment Charge, OCARS	\$0.0	\$0.0	\$3.6	\$0.0	\$0.0	\$1.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$5.0
Reconnection Charge	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Returned Check Charge	\$103.0	\$6.8	\$2.5	\$0.7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$113.0
Schedule Q Mtr Charge	\$0.0	\$0.0	\$0.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.6
Energy Audit Fee	\$128.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$128.0
Total Other Oper Rev @Proposed	\$2,450.1	\$270.4	\$300.6	\$22.3	\$0.0	\$1.4	\$53.9	\$0.0	\$35.8	\$0.0	\$15.5	\$3,150.0

Proposed Increase (\$000s):

Service Establishment Chrg	\$336.6	\$18.2	\$2.2	\$1.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$358.0
Field Collection Charge	\$190.5	\$42.3	\$8.6	\$1.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$243.2
Late Payment Charge, Reg	\$58.1	\$9.7	\$18.2	\$1.1	\$0.0	\$0.0	\$3.6	\$0.0	\$2.4	\$0.0	\$1.0	\$94.1
Late Payment Charge, OCARS	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Reconnection Charge	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Returned Check Charge	\$67.8	\$4.5	\$1.6	\$0.5	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$74.4
Schedule Q Mtr Charge	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Energy Audit Fee	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total Increase	\$653.0	\$74.7	\$30.6	\$4.4	\$0.0	\$0.0	\$3.6	\$0.0	\$2.4	\$0.0	\$1.0	\$769.7

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 85 OF 161

HAWAIIAN ELECTRIC COMPANY, INC.
DOCKET NO. 2006-0386, TEST-YEAR 2007
DETERMINATION OF PROPOSED SERVICE VOLTAGE ADJUSTMENTS

	Energy (GWH)	Loss (GWH)	Loss as % of Level J (%)	Cum % Loss from Level J (%)	Serv Volt Adj at Proposed Rates (G, J, PP, PT) (%)	Serv Volt Adj at Present Rates (%)	Loss as % of Level H (%)	Cum % Loss from Level H (%)	Serv Volt Adj at Proposed Rates (Schedule F) (%)	Serv Volt Adj at Present Rates (Schedule F) (%)
A. HECO Net Generation	4,736.5									
B. Delivered to HECO GSU Tsf. HECO GSU Tsf Losses	4,736.5	14.2								
C. HECO Gen Delivered To 138 kV IPP Gen Injection	4,722.3 3,372.7									
Delivered To Transmission Trans Losses	8,095.0	72.8								
D. Delivered to 138/46 kV Tsf. Trans/Sub Tsf Losses	8,022.2	31.1								
E. Delivered To 46 kV Subtrans Subtrans Losses	7,991.1	28.8								
(TP) F. Delivered To 46 kV Dist. Subs Dist Tsf Losses	7,962.3	44.3	0.57%	2.92%	2.9%	3.3%	0.56%	2.86%		
(TS) G. Delivered To Dist Dist Losses	7,918.0	22.4	0.29%	2.35%	2.4%	2.4%	0.28%	2.30%		
(DP) H. Delivered To Dist/Sec Tsf. Sec Tsf Losses	7,895.6	117.8	1.52%	2.06%	2.1%	1.9%	1.49%	2.02%		
(DS) I. Delivered To Sec Sec Losses	7,777.8	41.6	0.54%	0.54%	0.5%	0.7%	0.53%	0.53%	1.5%	2.0%
(SEC) J. Delivered To Meter	7,736.2								2.0% 1.02	5.0% 1.05

Source:

2007 Estimated Demand & Energy Losses

Hawaiian Electric Co.
2007 Estimated Demand & Energy Losses
(Kalaheo Capacity Of 209 MW)

	Energy Losses (GWHr)	Percent
HECO Net Gen	4736.5	58.4%
HECO GSU Tsf Losses	14.2	0.2%
HECO Delivered To Trans	4722.3	58.2%
IPP Gen Injection	3372.7	41.6%
Delivered To Transmission	8095.0	99.8%
Trans Losses	72.8	0.9%
Trans/Sub Tsf Losses	31.1	0.4%
Delivered To Subtrans	7991.1	98.5%
Subtrans Losses	28.8	0.4%
Dist Tsf Losses	44.3	0.5%
Delivered To Dist	7918.0	97.6%
Dist Losses	22.4	0.3%
Sec Tsf Losses	117.8	1.5%
Delivered To Sec	7777.8	95.9%
Sec Losses	41.6	0.5%
Delivered To Meter	7736.2	95.4%
Company Use	15.4	0.2%
Sales	7720.8	95.2%
Total Losses	373.0	4.6%
System Total	8109.2	

Notes:

- 1) "Total Losses" do not include auxiliary station loads.
- 2) Percent values are percent of the "System Total."
- 3) Demand values are estimated per ideal conditions.

KKK

10/13/2006

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Weighting Factors For Primary Dist. Lines By Customer Classes

Rate Class	Phase	(A) Wt.	(B) Test-Year No. of Bills			(D = B + C) Total	(E = A x D) Weighted No. of Bills	TY 2007 C1 Fct (R = 1)
			Pri	Sec				
R/E	1	1		3,090,230		3,090,230	3,090,230	
	3	2		1,546		1,546	3,092	
	Total			3,091,776		3,091,776	3,093,322	1.00
G	1	1		193,448		193,448	193,448	
	3	2		114,100		114,100	228,200	
	Total			307,548		307,548	421,648	1.37
J	1	1	62	6,567		6,629	6,629	
	3	2	1,782	71,725		73,507	147,014	
	Total		1,844	78,292		80,136	153,643	1.92
Total J ¹						80,160		
H/K	1	1		3,989		3,989	3,989	
	3	2		8,515		8,515	17,030	
	Total			12,504		12,504	21,019	1.68
PS	3	2		2,281		2,281	4,562	1.06
PP	3	2	1,991			1,991	3,982	0.92
Total			1,991	2,281		4,272	8,544	1.98
Total P ¹	3	2				4,320		
F	1	1	3,927	945		4,872	4,872	1.00
Total			3,927	945		4,872		

¹ Total number of bills in the class.

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Weighting Factors for Secondary Dist. Lines By Customer Classes

Rate Class	Phase	(A)	(B)	(C)		(D = C)	(E = A x D)	TY 2007 C2 Fct (R = 1)
		Wt.	Pri	Test-Year No. of Bills		Total	Weighted No. of Bills	
R/E	1	1			3,090,230	3,090,230	3,090,230	
	3	1.33			1,546	1,546	2,056	
	Total				3,091,776	3,091,776	3,092,286	1.00
G	1	1			193,448	193,448	193,448	
	3	1.33			114,100	114,100	151,753	
	Total				307,548	307,548	345,201	1.12
J	1	1			6,567	6,567	6,567	
	3	1.33			71,725	71,725	95,394	
	Total				78,292	78,292	101,961	1.27
Total J						80,160		
H/K	1	1			3,989	3,989	3,989	
	3	1.33			8,515	8,515	11,325	
	Total				12,504	12,504	15,314	1.22
PS ¹	3	1.33			2,281	2,281	3,034	
Total P ¹	3	1.33			2,281	4,320		0.70
F	1	1			945	945	945	0.19
Total F						4872		

* Weight of 1.33 is based on 4/3.

¹ Weighted no. of bills/total class bills. Total J bills include total J class. Total PS bills incl PP and PT customers. Total F bills include all F customers.

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 90 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Weighting Factors For Transformers By Customer Classes

		(A) TY 2007 No. of Bills	(B) %	(C) Typical Cost \$/Transf	(D) No. of Cust. Per transf.	(E = C + D) Typical Cost \$/Cust	(F = B x E) Weighted Cost \$/Cust	TY 2007 C3 Fct (R = 1)
Schedule R/E	Phase	No.						
	1	3,090,230	99.95%	\$3,397	14	\$243	\$243	
	3	1,546	0.05%	\$6,788	14	\$485	\$0	
	Total	3,091,776	100.00%				\$243	1.00
Schedule G	1	193,448	62.90%	\$3,397	5	\$679	\$427	
	3	114,100	37.10%	\$6,788	1	\$6,788	\$2,518	
	Total	307,548	100.00%				\$2,945	12.12
Schedule J - DP	1	50	3.18%			#DIV/0!	#DIV/0!	
	3	1,521	96.82%			#DIV/0!	#DIV/0!	
	Total	1,571	100.00%					
Schedule J - DS	1	12	4.40%			#DIV/0!	#DIV/0!	
	3	261	95.60%			#DIV/0!	#DIV/0!	
	Total	273	100.00%					
Total J - Pri	1	62	3.36%				#DIV/0!	
	3	1,782	96.64%				#DIV/0!	
	Total	1,844	100.00%					
Schedule J - Sec	1	6,567	8.42%	\$3,397	1	\$3,397	\$286	
	3	71,433	91.58%	\$6,788	1	\$6,788	\$6,216	
	Total	78,000	100.00%					
Schedule J - Nwk	1	0	0.00%	\$3,397	1	\$3,397	\$0	
	3	292	100.00%	\$6,788	1	\$6,788	\$6,788	
	Total	292	100.00%				\$6,788	
Total J - Sec	1	6,567	8.39%				\$286	
	3	71,725	91.61%				\$13,004	
	Total	78,292	100.00%				\$13,290	
Schedule J Total	1	6,629	8.27%	\$3,397	1	\$3,397	\$281	
	3	73,531	91.73%	\$6,788	1	\$6,788	\$6,227	
	Total	80,160	100.00%				\$6,508	26.78
Schedule H/K	1	3,989	31.90%	\$3,397	5	\$679	\$217	
	3	8,515	68.10%	\$6,788	1	\$6,788	\$4,623	
	Total	12,504	100.00%				\$4,840	19.92
Schedule PS	3	2,281	100.00%	\$16,323	1	\$16,323	\$16,323	67.17
Schedule PP	3	1,991	100.00%		1	\$0	\$0	
Schedule PT	3	48	100.00%		1	\$0	\$0	
Total P	3	4,320	100.00%				\$8,619	35.47
Schedule F - Pri								
Metered	1	629	16.02%		1	\$0	\$0	
Unmetered	1	3,298	83.98%		1	\$0	\$0	
	Total	3,927	100.00%				\$0	
Schedule F - Sec								
Metered	1	945	100.00%	\$3,397	1	\$3,397	\$3,397	
Flat	1	0	0.00%				\$0	
	Total	945	100.00%				\$3,397	
Schedule F - Total								
Metered (Sec Only)	1	945	22.27%	\$3,397	1	\$3,397	\$757	3.12
Unmetered	1	3,298	77.73%				\$0	
	Total	4,243	100.00%				\$757	3.12

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 91 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Weighting Factors For Service Drops Costs By Customer Classes

	(A) Phase	(B) TY 2007 No. of Bills No.	(B) %	(C) Serv Drop Size kW/Cust	(D) Typical Cost \$/Service Drop	(E = B x D) Weighted Cost \$/Cust	TY 2007 C4 Fct (R = 1)
Schedule R/E	1	3,090,230	99.95%	5	\$288	\$288	
	3	1,546	0.05%	5	\$341	\$0	
	Total	3,091,776	100.00%	5		\$288	1.00
Schedule G	1	193,448	62.90%	10	\$288	\$181	
	3	114,100	37.10%	25	\$341	\$127	
	Total	307,548	100.00%			\$308	1.07
Schedule J - DP	1	50	3.18%		\$971	\$31	
	3	1,521	96.82%		\$1,006	\$974	
	Total	1,571	100.00%			\$1,005	
Schedule J - DS	1	12	4.40%		\$971	\$43	
	3	261	95.60%		\$1,006	\$962	
	Total	273	100.00%			\$1,005	
Total J - Pri	1	62	3.36%		\$971	\$74	
	3	1,782	96.64%		\$1,006	\$1,936	
	Total	1,844	100.00%			\$2,010	
Schedule J - Sec	1	6,567	8.42%	50	\$393	\$33	
	3	71,433	91.58%	60	\$400	\$366	
	Total	78,000	100.00%			\$399	
Schedule J - Nwk	1	0	0.00%	50	\$393	\$0	
	3	292	100.00%	60	\$400	\$400	
	Total	292	100.00%			\$400	
Total J - Sec	1	6,567	8.39%	50	\$393	\$33	
	3	71,725	91.61%	60	\$400	\$766	
	Total	78,292	100.00%			\$799	
Schedule J Total	1	6,629	8.27%			\$398	
	3	73,531	91.73%			\$415	
	Total	80,160	100.00%			\$813	2.82
Schedule H/K	1	3,989	31.90%	10	\$288	\$92	
	3	8,515	68.10%	25	\$341	\$232	
	Total	12,504	100.00%			\$324	1.13
Schedule PS	3	2,281	100.00%	500	\$600	\$600	2.08
Schedule PP	3	1,991	100.00%	440	\$1,006	\$1,006	3.49
Schedule PT	3	48	100.00%	6000	\$9,910	\$9,910	34.41
Total P	3	4,320	100.00%			\$890.56	3.09
Schedule F - Pri							
Metered	1	629	16.02%	60	\$971	\$156	
Unmetered	1	3,298	83.98%			\$0	
	Total	3,927	3,927		\$971	\$156	
Schedule F - Sec							
Metered	1	945	100.00%	1	\$150	\$150	
Flat	1	0	0.00%			\$0	
	Total	945	100.00%		\$150	\$248	
Schedule F - Total Metered Only							
Pri	1	629	39.96%	60	\$971	\$388	
Sec	1	945	60.04%	1	\$150	\$90	
	Total	1,574	100.00%			\$478	1.66

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 92 OF 161

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Weighting Factors For Meter Costs By Customer Classes

		(A) TY 2007 No. of Bills	(B) %	(C) Typical Cost \$/Meter	(D = B x C) Weighted Cost \$/Cust	TY 2007 C5 Fct (R = 1)
Phase	No.					
Schedule R/E	1	3,090,230	99.95%	\$86	\$86	
	3	1,546	0.05%	\$207	\$0	
	Total	3,091,776	100.00%		\$86	1.00
Schedule G	1	193,448	62.90%	\$86	\$54	
	3	114,100	37.10%	\$207	\$77	
	Total	307,548	100.00%		\$131	1.52
Schedule J - DP	1	50	3.18%	\$1,851	\$59	
	3	1,521	96.82%	\$4,242	\$4,107	
	Total	1,571	100.00%		\$4,166	
Schedule J - DS	1	12	4.40%	\$1,851	\$81	
	3	261	95.60%	\$4,242	\$4,055	
	Total	273	100.00%		\$4,136	
Total J - Pri	1	62	3.36%	\$1,851	\$140	
	3	1,782	96.64%	\$4,242	\$8,162	
	Total	1,844	100.00%		\$8,302	
Schedule J - Sec	1	6,567	8.42%	\$415	\$35	
	3	71,433	91.58%	\$785	\$719	
	Total	78,000	100.00%		\$754	
Schedule J - Nwk	1	0	0.00%	\$415	\$0	
	3	292	100.00%	\$785	\$785	
	Total	292	100.00%		\$785	
Total J - Sec	1	6,567	8.39%	\$415	\$35	
	3	71,725	91.61%	\$785	\$1,504	
	Total	78,292	100.00%		\$1,539	
Schedule J Total	1	6,629	8.27%		\$428	
	3	73,531	91.73%		\$869	
	Total	80,160	100.00%		\$1,297	15.08
Schedule H/K	1	3,989	31.90%	\$86	\$27	
	3	8,515	68.10%	\$207	\$141	
	Total	12,504	100.00%		\$168	1.95
Schedule PS	3	2,281	100.00%	\$1,029	\$1,029	11.97
Schedule PP	3	1,991	100.00%	\$4,242	\$4,242	49.33
Schedule PT	3	48	100.00%	\$28,765	\$28,765	334.48
Total P	3	4,320	100.00%		\$2,818	32.77
Schedule F - Pri						
Metered	1	629	16.02%	\$1,851	\$297	
Unmetered	1	3,298	83.98%		\$0	
	Total	3,927	100.00%		\$297	
Schedule F - Sec						
Metered	1	945	100.00%	\$415	\$415	
Flat	1	0	0.00%		\$0	
	Total	945	100.00%		\$415	
Schedule F - Total Metered						
Pri	1	629	39.96%	\$1,851	\$740	
Sec	1	945	60.04%	\$415	\$249	
	Total	1,574	100.00%		\$989	11.50
Schedule F - Total Class						
Metered	1	1,574	32.31%	\$989	\$320	
Unmetered	1	3,298	67.69%	0	\$0	
	Total	4,872			\$320	3.72

Hawaiian Electric Company, Inc.
Docket No. 2006-0386, Test-Year 2007
Weighting Factors For Customer Accounts Expenses Excl Uncollectibles

NARUC ACCT	TY 2007 Exp (\$000s)	% Of Total		CSD Activity		Relative Customer Cost (R = 1)												
		By Acct	Acct 902, 903				%	R/E	G	J - Pri	J - Sec	Total J	H	K	H/K*	PS	PP	PT
901	\$1,358.0																	
902	\$2,693.2	25.30%	Mr Reading & Access Travel		55.00%	1.00	1.17	3.13	3.13	3.13	1.17	1.17	1.17	3.37	3.83	3.13	2.50	7.83
					45.00%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
						1.00	1.09	2.17	2.17	2.17	1.09	1.09	1.09	2.30	2.56	2.17	1.83	4.76
903	\$7,950.0	74.70%	CSD RA Codes	TY 2007 (\$)														
			CB	\$257,189	3.65%	1.00	1.00	2.00	2.00	2.00	1.50	1.50	1.50	3.00	3.00	3.00	1.50	5.00
			CD	\$318,087	4.51%	1.00	2.00	3.00	3.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	0.50	0.00
			CH	\$1,627,687	23.10%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
			CP	\$2,860,033	40.58%	1.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
			CF	\$220,939	3.13%	1.00	2.00	2.70	2.70	2.70	1.50	1.50	1.50	2.70	2.70	2.70	1.00	0.00
			CG	\$808,707	11.47%	1.00	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.50	1.50	1.50	1.00	0.00
			CM	\$59,206	0.84%	1.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	0.50	0.50	1.00	0.00
			CA	\$679,747	9.64%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
			CS	\$216,074	3.07%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
			Total	\$7,047,669	99.99%													
			Wtg Fct		99.99%	1.01	1.33	1.42	1.42	1.42	1.32	1.32	1.32	1.24	1.24	1.24	0.96	0.92
						C6 Fct			1.00	1.27	1.61	1.61	1.61	1.27	1.27	1.27	1.51	1.58

S:\EnergyServices\MKTPRCE\HECO Rate Case Test-Year 2007\Cost of Service\Cost of Service Inputs\Customer Account Alloc Factor C6_11-08-06.xls] C6 - Cust Acct

HAWAIIAN ELECTRIC COMPANY, INC.
DATA REQUIREMENTS FOR COST-OF-SERVICE STUDY
DOCKET NO. _____ TEST-YEAR 2006

Distribution Transformer Costs For Typical Customers
DATA PERIOD: 2004

Rate Class	Service Voltage	Phase	KVA Size	Installed Cost Per Transformer (\$/Transformer)	Typical No. of Customers Per Transformer
Schedules R, E	Secondary	1-Phase	50	\$3,397	14
Schedule G	Secondary	1-Phase	50	\$3,397	5
		3-Phase	3-25	\$8,788	1
Schedule J	Secondary	1-Phase	50	\$3,397	1
		3-Phase	3-25	\$8,788	1
Schedule H	Secondary	1-Phase	50	\$3,397	5
		3-Phase	3-25	\$8,788	1
Schedule PS	Secondary	3-Phase	3-187	\$16,323	1
Schedule PP	Primary	3-Phase	N/A	N/A	1
Schedule PT	Transmission	3-Phase	N/A	N/A	1
Schedule F	Secondary	1-Phase	N/A	N/A	1
Schedule F	Primary	1-Phase	N/A	N/A	1

CID General Estimate Summary

4/12/2004 Page 1 of 1

Estimate ID: YPRPRATE1 Start Date: 05/01/2004 End Date: 05/01/2004
Description: Rate Case - Install 50kva 1phase OH TSF
Reference EGI: YPRPRATE1 Rev#: 1 D/C: C
Description: Rate Case - 50kva 1 Phase OH Tsf Installation (Rate R, E, G, J & H)

Component Ln# / Description	SMU Labor	SMU Lbr On-Cost	Mtl On-Cost	Mtl On-Cost	Outside Svcs	Non-SMU Labor	Non-SMU On-Cost
1 - Rate Case - 50kva 1 Phase OH Tsf Installation	349.09	423.76	1,571.33	249.37	0.00	0.00	0.00
Sub-totals:	349.09	423.76	1,571.33	249.37	0.00	0.00	0.00

Project Subtotal 2,593.55 Notes:

Adjustments

Police 0.00

Police On-Cost 0.00

Barricade Days 0.00

Engineering 132.31

Engineering On-Cost 534.98

AFUDC 0.00

Total Project Cost 3,260.84

General Excise Tax (4.166%) 135.85

Customer's Cost 3,396.69

Approved: _____

OH Credit Lump Sum 0.00

HECO Shr Comp. Ln

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 95 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 89 OF 173

SMU Labor & Material Details									
Estimate ID: YPRPATE1									
Est Desc: Rate Case - Install 50kva 1phase OH TSF (Rate R, E, G, J & H)									
Type: General									
Component: 1 - Rate Case - 50kva 1 Phase									
Ln #	Item Ref.	Stock #	Description	Quantity	Material #	Crew Hrs	Crew Lbrs	Supv Hrs	Supv Lbrs
4	10-2040		1 PH TRANSFORMER SECONDARY LE	1.00	171.70	4.60	159.34	.19	6.21
5	10-2060		1PH TRANSFORMER CONNECTIONS-1	1.00					
6	10-2100		1 PH TRANSFORMER INSTALLATION	1.00	68.05	2.50	86.60	.10	3.27
7	12-1020-F2		NEUTRAL GROUNDING AIRIAL CBL	1.00	29.96	.80	27.71	.03	.96
8	070560050		TRANSFORMER, POLE MOUNT TWO B	1.00	1,301.62				
Detail Total					1,571.33	9.70	336.00	.40	13.08
Travel/Setup %:									
Contingency %:									
Component Total					1,571.33	9.70	336.00	.40	13.08

Wkgrp: HEDCID
Start: 5/1/2004 End: 5/1/2004

CID General Estimate Summary

4/12/2004 Page 1 of 1

Estimate ID: YPRPRATE2 Start Date: 05/01/2004 End Date: 05/01/2004

Description: Rate Case - Install 3-25kva 1phase TSF

Reference EGI: YPRPRATE2 Rev#: 0 D/C: C

Description: Rate Case - 3-25kva 1 phase OH Tsf Installation (Rate G, J & H)

Component Lbl / Description	SMU Labor	SMU Lbr On-Cost	Mtl	Mtl On-Cost	Outside Svcs	Non-SMU Labor	Non-SMU On-Cost
1 - Rate Case - 3-25kva 1phase OH Tsf Installation	604.84	734.22	3,471.11	550.87	0.00	0.00	0.00
Sub-totals:	604.84	734.22	3,471.11	550.87	0.00	0.00	0.00

Project Subtotal 5,361.04 Notes:

Adjustments

Police 0.00

Police On-Cost 0.00

Barricade Days 0.00

Engineering 229.15

Engineering On-Cost 926.53

AFUDC 0.00

Total Project Cost 6,516.72

General Excise Tax (4.166%) 271.49

Customer's Cost 6,788.21

Approved: _____

OH Credit Lump Sum 0.00

HECO Shr Comp. Ln

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 97 OF 161
HECO-WP-2202
DOCKET NO. 04-0113
PAGE 91 OF 173

SMU Labor & Material Details									
Est Desc: Rate Case - Install 3-25kva 1phase TSF (Rate G, J & H)									
Type: General									
Component: 1 - Rate Case - 3-25kva 1phas									
Ln #	SMU Ref.	Stack #	Description	Quantity	Material #	Crew Hrs	Crew Lbrs	Supp Hrs	Supp Lbrs
1	10-2121-1A		PRESSIN "A" 3PH TSF BUNK METAL	1.00	596.72	16.00	554.24	.67	21.91
2	12-1020-F2		NEUTRAL GROUNDING AERIAL CBL	1.00	29.96	.80	27.71	.03	.98
3		000115543	CONDUCTOR, PARALLELED, 3-1/C,	70.00	313.60				
4		070560025	TRANSFORMER, POLE MOUNT TWO B	3.00	2,530.83				
Detail Total					3,471.11	16.80	581.95	.70	22.89
Travel/Setup %:									
Contingency %:									
Component Total					3,471.11	16.80	581.95	.70	22.89

Wkgrp: HEDCID
Start: 5/1/2004 End: 5/1/2004

CID General Estimate Summary

Estia ID: YPRPRATES Start Date: 05/01/2004 End Date: 05/01/2004

Description: Rate Case - Install 3-167kva 1phase TSF

Reference EGI: YPRPRATES Rev#: 0 DAC: C

Description: Rate Case - 3-167kva 1 phase OH Tsf Installation (Rate PS)

Component L# / Description	SMU Labor	SMU Lbr On-Cost	Mtl	Mtl On-Cost	Outside Svcs	Non-SMU Labor	Non-SMU On-Cost
1 - Rate Case - 3-167kva 1phase OH Tsf Installation	496.67	602.90	11,755.59	1,865.61	0.00	0.00	0.00
Sub-totals:	496.67	602.90	11,755.59	1,865.61	0.00	0.00	0.00

Project Subtotal 14,720.77 Notes:

Adjustments

Police 0.00

Police On-Cost 0.00

Barricade Days 0.00

Engineering 188.15

Engineering On-Cost 760.74

AFUDC 0.00

Total Project Cost 15,669.66

General Excise Tax (4.166%) 652.80

Customer's Cost 16,322.46

Approved: _____

OH Credit Lump Sum 0.00

HECO Shr Comp. Ln

HECO-WP-2001
 DOCKET NO. 2006-0386
 PAGE 99 OF 161
 HECO-WP-2202
 DOCKET NO. 04-0113
 PAGE 93 OF 173

SMU Labor & Material Details									
Estimate ID: YPPRATES									
Est Desc: Rate Case - Install 3-50kva 1phase TSF (Rate PS)									
Type: General									
Component: 1 - Rate Case - 3-50kva 1phas									
Ln #	SMU Ref.	Description	Quantity	Material #	Crew Hrs	Crew Lbr#	Supv Hrs	Supv Lbr#	
1	10-2121-1A	PREASSM "A" 3PH TSF BUNK METAL	1.00	596.72	16.00	554.24	.67		21.91
2	12-1020-F2	METAL GROUNDING AERIAL CBL	1.00	29.96	.80	27.71	.03		.98
3	000115543	CONDUCTOR, PARALLELED, 3-1/2"	70.00	313.60					
4	070560050	TRANSFORMER, POLE MOUNT TWO B	3.00	3,904.86					
Detail Total				4,845.14	16.80	581.95	.70		22.89
Travel/Setup %:									
Contingency %:									
Component Total				4,845.14	16.80	581.95	.70		22.89

Wkgrp: HEDCD
Start: 5/1/2004 End: 5/1/2004

*inputted in file
ts 7-14-04*

HAWAIIAN ELECTRIC COMPANY, INC.
DATA REQUIREMENTS FOR COST-OF-SERVICE STUDY
DOCKET NO. _____ TEST-YEAR 2005

TYPICAL INSTALLED SERVICE DROP COSTS BY CUSTOMER CLASS
DATA PERIOD: 2004

Rate Class	Service Voltage	Phase	Service Drop Size (kw)	Typical Installed Cost Per Service Drop (\$/Service Drop)
Schedules R, E	Secondary	1-Phase	5	\$288
Schedule G	Secondary	1-Phase	10	\$288
		3-Phase	25	\$341
Schedule J	Secondary	1-Phase	50	\$393
		3-Phase	60	\$400
Schedule H	Secondary	1-Phase	10	\$288
		3-Phase	25	\$341
Schedule PS	Secondary	3-Phase	500	\$600
Schedule PP	Primary	3-Phase	440	\$1,008
Schedule PT	Transmission	3-Phase	6000	\$9,910
Schedule F	Secondary	1-Phase	1	\$150
Schedule F	Primary	1-Phase	60	\$971

HAWAIIAN ELECTRIC COMPANY, INC.
DATA REQUIREMENTS FOR COST-OF-SERVICE STUDY
DOCKET NO. _____ TEST-YEAR 2005

Distribution Transformer Costs For Typical Customers
DATA PERIOD: 2004

Rate Class	Service Voltage	Phase	KVA Size	Installed Cost Per Transformer (\$/Transformer)	Typical No. of Customers Per Transformer
Schedules R, E	Secondary	1-Phase	50	\$3,397	14
Schedule G	Secondary	1-Phase	50	\$3,397	5
		3-Phase	3-25	\$6,788	1
Schedule J	Secondary	1-Phase	50	\$3,397	1
		3-Phase	3-25	\$6,788	1
Schedule H	Secondary	1-Phase	50	\$3,397	5
		3-Phase	3-25	\$6,788	1
Schedule PS	Secondary	3-Phase	3-167	\$16,323	1
Schedule PP	Primary	3-Phase	N/A	N/A	1
Schedule PT	Transmission	3-Phase	N/A	N/A	1
Schedule F	Secondary	1-Phase	N/A	N/A	1
Schedule F	Primary	1-Phase	N/A	N/A	1

Basic Estimate Report

04/12/2004 Page 1 of 1

Estimate ID: YPRPRATE6A Start Date: 5/1/04 End Date: 5/1/04
Description: Rate Case - Service Drop 1ph 120/240V (2-10kw) (Rate R, E, G & H)

Labor	57.71
Labor On-Cost	70.06
Material	33.00
Material On-Cost	5.24
Outside Services	0.00
Engineering	21.81
Engineering On-Cost	88.17
Less OH Line Credit	0.00
Subtotal	275.99
General Excise Tax	11.50
Customer's Cost	287.49

Approved: _____

Notes:

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 104 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 99 OF 173

SMU Labor & Material Details									
Est Desc: Rate Case - Service Drop 1ph 120/240V (2-10kw									
Component: 1 - Rate Case - Service Drop (Rate R, E, G & H)									
Type: General									
Estimate ID: YPPRATES									
Wkgrp: HEDCID									
Start: 5/1/2004 End: 5/1/2004									
Ln #	SMU Ref.	Stock #	Description	Quantity	Material \$	Crew Hrs	Crew Lbrs	Supv Hrs	Supv Lbrs
1	000115105		CONDUCTOR, TPX, 2-1/C #4 AL,	60.00	19.20				
2	000107649		CAMP, DEADEND, AL, 20' FOR #4	1.00	0.97				
3	000107144		CAMP, SPAN, AL, FOR MID SPAN	1.00	9.36				
4	000130260		CONNECTOR, TAP, COMP, AL, RU	1.00	0.42				
5	000121483		SPLICE, SERVICE ENTRANCE, COM	1.00	0.22				
6	000101840		BOX SOLID, POLYCARB, 5/8" DI	1.00	1.15				
7	000130229		CONNECTOR, TAP, COMP, AL/CU,	4.00	1.12				
8	000124263		TAPE, ELECTRICAL, VINYL, BLAC	1.00	0.58				
9	01-2040-SC		STRING SERVICE CONDUCTOR, 1 S	1.00					
Detail Total				33.00		1.60	55.42		2.29
Travel/Setup %:									
Contingency %:									
Component Total				33.00		1.60	55.42		2.29

Basic Estimate Report

Estimate ID: YPRPRATE8A Start Date: 5/1/04 End Date: 5/1/04
Description: Rate Case - Service Drop 3ph (25kw) (Rate G & H)

04/12/2004 Page 1 of 1

Labor	57.71
Labor On-Cost	70.06
Material	77.58
Material On-Cost	12.31
Outside Services	0.00
Engineering	21.81
Engineering On-Cost	88.17
Less OH Line Credit	0.00
Subtotal	327.64
General Excise Tax	13.65
Customer's Cost	341.29

Approved: _____

Notes:

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 106 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 101 OF 173

SMU Labor & Material Details									
Estimate ID: YPRPRATE8									
Est Desc: Rate Case - Service Drop 3ph (25kw) (Rate G & H)									
Component: 1 - Rate Case - Service Drop									
Wkgrp: HECID									
Start: 5/1/2004 End: 5/1/2004									
Ln #	SMU Ref.	Stock #	Description	Quantity	Material #	Crew Hrs	Crew Lbr\$	Supv Hrs	Supv Lbr\$
1		000115220	CONDUCTOR, QUAD SERV DROP, CR	40.00		52.40			
2		000107821	GRUP, DEADEND, AL, 15" FOR U	2.00		5.99			
3		000122887	CONNECTOR, TAP, COMP, AL, RU	8.00		3.54			
4		000101865	BOX, STRAIN POIN FOR 3/8" GALV	2.00		12.40			
5		000103127	BOLT, OVALLEY, GALV, 1/2" X 6	1.00		2.67			
6		000124263	TAPE, ELECTRICAL, VINYL, BLAC	1.00		0.58			
7	01-2040-SC		STRING SERVICE CONDUCTOR, 1 S	1.00		1.60			
Subtotal Total				77.58		1.60	55.42	.07	2.29
Travel/Setup %:									
Contingency %:									
Component Total				77.58		1.60	55.42	.07	2.29

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 107 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 102 OF 173

Basic Estimate Report

Estimate ID: YPRPRATE7A Start Date: 5/1/04 End Date: 5/1/04
Description: Rate Case - Service Drop 1ph 120/240V (50kw) (Rate J)

04/14/2004 Page 1 of 1

Labor	57.71
Labor On-Cost	70.06
Material	120.28
Material On-Cost	19.09
Outside Services	0.00
Engineering	21.81
Engineering On-Cost	88.17
Less OH Line Credit	0.00
Subtotal	377.12
General Excise Tax	15.71
Customer's Cost	392.83

Approved: _____

Notes:

SMU Labor & Material Details									
Estimate ID: YPRPRATE7									
Type: General									
Est Desc: Rate Case - Service Drop 1ph 120/240V(50kw) (Rate J)									
Component: 1 - Rate Case - Service Drop									
Start: 5/1/2004 End: 5/1/2004									
Wkgrp: HEDCD									
Ln #	SMU Ref.	Stock #	Description	Quantity	Material \$	Crew Hrs	Crew Lbr\$	Supv Hrs	Supv Lbr\$
1		000144402	CONDUCTOR, TRIPLE, 600V, 2-1	75.00	92.25				
2		000107862	GRIP, DEADEND, AL, 3/4" FOR 3/	2.00	9.17				
3		000101865	BOB, STRAIN POC FOR 3/8" GUY	2.00	17.40				
4		000121608	CONNECTOR, TAP, COPPER, AL, RU	6.00	2.62				
5		000124263	TAPE, ELECTRICAL, VINYL, BLAC	2.00	1.17				
6		000103127	BOLT, OVALHEAD, GALV, 1/2" X 6	1.00	2.67				
9	01-2040-SC		STRING SERVICE CONDUCTOR, 1 S	1.00					
Detail Total					120.28	1.60	55.42	.07	2.29
Travel/Setup %:									
Contingency %:									
Component Total					120.28	1.60	55.42	.07	2.29

Basic Estimate Report

04/14/2004 Page 1 of 1

Estimate ID: YPRPRATE9A Start Date: 5/1/04 End Date: 5/1/04
Description: Rate Case - Service Drop 3ph 120/208V (60kw) (Rate J)

Labor	57.71
Labor On-Cost	70.06
Material	126.56
Material On-Cost	20.09
Outside Services	0.00
Engineering	21.81
Engineering On-Cost	88.17
Less OH Line Credit	0.00
Subtotal	384.49
General Excise Tax	16.02
Customer's Cost	400.42

Approved: _____

Notes:

SMU Labor & Material Details									
Estimate ID: YPRPATE9									
Type: General									
Est Desc: Rate Case - Service Drop 3ph 120/208V (60kw) (Rate J)									
Component: 1 - Rate Case - Service Drop									
State 5/1/2004 End: 5/1/2004									
Wkgrp: HEDCID									
Ln #	SMU Ref.	Stack #	Description	Quantity	Material \$	Crew Hrs	Crew Lbr\$	Supv Hrs	Supv Lbr\$
1	000115220		CONDUCTOR, QUAD SERV DROP, CR	75.00	98.25				
2	000107862		GAUP, DEADEND, AL 34" FOR 3/	2.00					
3	000101865		BOB, STRAIN POMIC FOR 3/8" GUY	2.00					
4	000121608		CONNECTOR, TAP, COMM, AL, RU	8.00					
5	000103127		BOLT, OVALEYE, GALV, 1/2" X 6	1.00					
6	000124263		TAPE, ELECTRICAL, VINYL, BLAC	1.00					
7	01-2040-SC		STRING SERVICE CONDUCTOR, 1 S	1.00					
Detail Total				126.56		1.60	55.42	.07	2.29
Travel/Setup %:									
Contingency %:									
Component Total				126.56		1.60	55.42	.07	2.29

Basic Estimate Report

Estimate ID: YPRPRATE13A **Start Date:** 5/1/04 **End Date:** 5/1/04
Description: Rate Case - Service Dropy 3ph 277/480V (500kw) (Rate PS)

Labor	57.71
Labor On-Cost	70.06
Material	291.80
Material On-Cost	46.31
Outside Services	0.00
Engineering	21.81
Engineering On-Cost	88.17
Less OH Line Credit	0.00
Subtotal	575.86
General Excise Tax	24.00
Customer's Cost	599.86

Approved: _____

Notes:

SMU Labor & Material Details**Estimate ID:** YPRPRATE13**Type:** General**WkGrp:** HEDCID**Est Desc:** Rate Case - Service Drop 3ph 277/480 (500kw) (Rate PS)**Start:** 5/1/2004 **End:** 5/1/2004**Component:** 1 - Rate Case - Service Drop

Ln #	SMU Ref.	Stock #	Description	Quantity	Material \$	Crew Hrs	Crew Lbr\$	Supv Hrs	Supv Lbr\$
1		000115667	CONDUCTOR, AL, 336.4 MCM, POL	60.00	35.40				
2		000107904	GRIP, DEADEND, AL, 38", NEOPR	8.00	127.52				
3		000101865	BOB, STRAIN PORC FOR 3/8" GUY	8.00	49.58				
4		000124263	TAPE, ELECTRICAL, VINYL, BLAC	4.00	2.33				
5	01-2040-SC		STRING SERVICE CONDUCTOR, 1 S	1.00		1.60	55.42	.07	2.29
6		000120782	CONNECTOR, TAP, COMPR, AL 336	8.00	76.97				
Detail Total					291.80	1.60	55.42	.07	2.29
Travel/Setup %:									
Contingency %:									
Component Total					291.80	1.60	55.42	.07	2.29

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 112 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 107 OF 173

210 General Estimate Summary

Estim. ID: YPRPRATE11 Start Date: 05/01/2004 End Date: 05/01/2004
 Description: Rate Case - Install Transmission (6000kw)
 Reference EGI: YPRPRATE11 Rev#: 0 D/C: C
 Description: Rate Case - Service Drop 3ph Transmission (6000kw) (Rate PT)

4/12/2006 page 1 of 1

Component Lbr / Description	SMU Labor	SMU Lbr On-Cost	MU	Mtd On-Cost	Outside Svcs	Non-SMU Labor	Non-SMU On-Cost
1 - Rate Case - Service Drop 3ph Transmission (6000kw)	1,976.62	2,399.43	1,175.87	186.61	0.00	0.00	0.00
Sub-totals:	1,976.62	2,399.43	1,175.87	186.61	0.00	0.00	0.00

Project Subtotal 5,738.53 Notes:

Adjustments

Police 0.00
 Police On-Cost 0.00
 Barricade Days 0.00
 Engineering 748.52
 Engineering On-Cost 3,026.50
 AFUDC 0.00

Total Project Cost 9,513.55

General Excise Tax (4.166%) 396.33

Customer's Cost 9,909.88

Approved: _____

OH Credit Lump Sum 0.00
 HECO Shr Comp. Ln

HECO-WP-2001
 DOCKET NO. 2006-0386
 PAGE 113 OF 161

HECO-WP-2202
 DOCKET NO. 04-0113
 PAGE 108 OF 173

SMU Labor & Material Details									
Estimate ID: YPRPRATE11		Type: General		WkGrp: HEDCID					
Est Desc: Rate Case - Install Transmission (6000kw)		(Rate PT)		Start: 5/1/2004		End: 5/1/2004			
Component: 1 - Rate Case - Service Drop									
Ln #	SMU Ref.	Stock #	Description	Quantity	Material \$	Crew Hrs	Crew Lbr\$	Supp Hrs	Supp Lbr\$
1		000115683	CONDUCTOR, BARE, AL, 336.4KCM	60.00	88.20				
2	08-1540		BUCK ARM RED TENSION SPAN LIN	1.00	857.17	45.00	1,558.80	1.88	61.48
3	08-1220-2C		VERT DE SUSP INS-46KV 336.4KC	1.00	230.50	9.90	342.94	.41	13.41
				Detail Total	1,175.87	54.90	1,901.74	2.29	74.89
				Travel/Setup %:					
				Contingency %:					
					Component Total	1,175.87	1,901.74	2.29	74.89

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 114 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 109 OF 173

Basic Estimate Report

04/14/2004 Page 1 of 1

Estimate ID: YPRPRATE14A **Start Date:** 5/1/04 **End Date:** 5/1/04

Description: Rate Case - Service Drop 1ph 120V Street Light (Rate F)

Labor	34.64
Labor On-Cost	41.96
Material	1.28
Material On-Cost	0.20
Outside Services	0.00
Engineering	13.09
Engineering On-Cost	52.92
Less OH Line Credit	0.00
Subtotal	144.09
General Excise Tax	6.00
Customer's Cost	150.09

Approved: _____

Notes:

SMU Labor & Material Details									
Est Desc: Rate Case - Service Drop 1ph 120V Street Lgh (Rate 2)									
Type: General									
Wkgrp: HEDCID									
Start: 5/1/2004 End: 5/1/2004									
Component: 1 - Rate Case - Service Drop									
Ln #	SMU Ref.	Stock #	Description	Quantity	Material #	Crew Hrs	Crew Lbrs	Supv Hrs	Supv Lbrs
1		000130229	CONNECTOR, TAP, COMPR, AL/CU,	1.00		0.28			
2		000130260	CONNECTOR, TAP, COMPR, AL, RU	1.00		0.42			
3		000124263	TAPE, ELECTRICAL, VINYL, BLAC	1.00		0.58			
4									
Detail Total						1.28			
Travel/Setup %:									
Contingency %:									
Component Total						1.28			

Non-SMU Labor Details						
Estimate ID: YPRPRATE14		Type: General		WkGrp: HEDCID		
Est Desc: Rate Case - Service Drop 1ph 120V Street Ligh		(Rate P)		Start: 5/1/2004 End: 5/1/2004		
Component: 1 - Rate Case - Service Drop						
RA Labor Desc	Hours	Description	Labor Cls	Rate	Total \$	Est
OH-LINEMAN THFTR	1.00	2 man crew (1/2 hr)	O_OHCREW	34.64	34.64	<input type="checkbox"/>
	0			0.00	0.00	<input type="checkbox"/>

CID General Estimate Summary
Estimate ID: YPRPRATE10
Start Date: 05/01/2004
End Date: 05/01/2004
Description: Rate Case - Service Drop 1ph Primary 7.2kv (60kw)
Reference EGI: YPRPRATE10
Revised: 0 D/C: C
Description: Rate Case - Service Drop 1ph Primary 7.2kv (60kw) (Rate F)

4/12/20 Page 1 of 1

Component Lbl / Description	SMU Labor	SMU Lbr On-Cost	MU	MU On-Cost	Outside Sys	Non-SMU Labor	Non-SMU On-Cost
1 - Rate Case - Service Drop 1ph Primary 7.2kv (60kw)							
Project Subtotal	594.44						
Adjustments							
Police							
Police On-Cost		0.00					
Barricade Days		0.00					
Engineering		66.88					
Engineering On-Cost		270.43					
AFUDC		0.00					
Total Project Cost		931.75					
General Excise Tax (4.166%)		38.82					
Customer's Cost		970.57					

Approved: _____

OH Credit Lump Sum 0.00
HECO Shr Comp. La

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 119 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 114 OF 173

SMU Labor & Material Details									
Estimate ID: YPPRATETD									
Type: General									
Est Desc: Rate Case - Service Drop 1ph Primary 7.2kv (6 0kv) (Rate F)									
Component: 1 - Rate Case - Service Drop									
Start: 5/1/2004 End: 5/1/2004									
Wkgrp: HEDCID									
Ln #	SMU Ref.	Stock #	Description	Quantity	Material \$	Crew Hrs	Crew Labr	Supv Hrs	Supv Labr
1		000115089	CONDUCTOR, BARE, AL, 1/0, SFE	20.00	52.00				
2	07-2210-51		PLN & INSL FOR 3RD WIRE OF E	1.00	12.82	1.20	41.57	.05	1.64
3	05-1009-F3		PREASSM SEC AERIAL CBL DE CON	1.00		.70	24.25	.03	.98
4	07-2050		AREA "C" PGS 1 TO 9 1/C PRIM	1.00	110.76	3.00	103.92	.13	4.25
Detail Total					175.58	4.90	169.74	.21	6.87
Travel/Setup %:									
Contingency %:									
Component Total					175.58	4.90	169.74	.21	6.87

CID General Estimate Summary

Estimate ID: YPRPRATE12

Start Date: 05/01/2004

End Date: 05/01/2004

Description: Rate Case - Service Drop 3ph Primary 12.47kv (440

Reference EGI: YPRPRATEI2 Rev#: 0 D/C: C

Description: Rate Case - Service Drop 3ph Primary 12.47kv (440kw)

Component Lp# / Description	SMU Labor	SMU Lbr	Mtl	Outside Svcs	Non-SMU Labor	Non-SMU On-Cost
1 - Rate Case - Service Drop 3ph Primary 12.47kv (440kw)	205.54	264.46	119.81	0.00	0.00	0.00
Sub-totals:	205.54	264.46	119.81	0.00	0.00	0.00

Project Subtotal		602.63	Notes:

Adjustments

Police

Police On-Cost

Barricade Days

Engineering

Engineering On-Cost

AFUDC

Total Project Cost

General Excise Tax (4.166%)

Customer's Cost 1,005.74

Approved:

OH Credit Lump Sum

HECO Shr Comp. Ln

Eng. Est. - SMU Mtls & Labor Details

Page 1 of 1

Engineering Estimation System

SMU Labor & Material Details								
Estimate ID: YPRPRATE12 Type: General				WkGrp: HEDCID				
Est Desc: Rate Case - Service Drop 3ph Primary 12.47kv				Start: 5/1/2004 End: 5/1/2004				
Component: 1 - Rate Case - Service Drop								
Ln #	SMU Ref.	Stock #	Description	Quantity	Material \$	Crew Hrs	Crew Lbr\$	Supv Hrs
1		000115089	CONDUCTOR, BARE, AL, 1/0, SPE	40.00	62.00			
2	07-2430-S1		STRAIN INSULATOR FOR PRIMARY	1.00	18.54	1.50	51.57	.06
3	05-1009-F3		PREASSM SEC AERIAL CBL DE CON	1.00		.70	24.07	.03
4	07-2210-S1		PIN & INSUL FOR 3RD WIRE OF E	3.00	39.27	3.60	123.77	.15
Detail Total					119.81	5.80	199.41	.24
Travel/Setup %:								
Contingency %:								
Component Total					119.81	5.80	199.41	.24

HAWAIIAN ELECTRIC COMPANY, INC.
DATA REQUIREMENTS FOR COST-OF-SERVICE STUDY
DOCKET NO. _____ TEST-YEAR 2005

TYPICAL INSTALLED METER COSTS BY CUSTOMER CLASS
DATA PERIOD: _04/13/2004_____

Rate Class	Service Voltage	Phase	METER TYPE	Typical Installed Cost Per Meter (\$/Meter)	TOU Installed Cost Per Meter (\$/Meter)
Schedules R, E, G, & H	Secondary	1-Phase (Self-contained Metering)	Non-Dmd	\$85.63	\$186.97
		3-Phase (Self-contained Metering)	Non-Dmd	\$206.94	\$237.51
Schedules R, E, G & H	Secondary	1-Phase (Transformer-rated Metering)	Non-Dmd	\$510.87	\$532.19
Schedule F & J	Secondary	1-Phase (Self-contained Metering)	Demand	\$186.66	\$213.59
		3-Phase (Self-contained Metering)	Demand	\$206.94	\$237.51
Schedule F & J	Secondary	1-Phase (Transformer-rated Metering)	Demand	\$510.87	\$532.19
		3-Phase (Transformer-rated Metering)	Demand	\$1,028.58	\$1,028.58
Schedule PS	Secondary	3-Phase (Transformer-rated Metering)	Demand	\$1,028.58	\$1,028.58
Schedule F, J & PP	Primary	3-Phase (Transformer-rated Metering)	Demand	\$4,242.19	\$4,242.19
Schedule PT	Trans	3-Phase (Transformer-rated Metering)	Demand	\$28,765 *	\$28,765 *
Schedule F & J	Primary	1-Phase (Transformer-rated Metering)		\$1,851.43	

Schedules F & J - Secondary Service -- Weighted Meter Costs

1-Phase	\$414.70	\$437.68
3-Phase	\$784.85	\$793.91

25.98
9.06

Pricing/Es:3-25-04
COS_TY_2005_Data_Request_TO_CID.xls
Meter Costs

* Per R. Taniguchi 8-3-04

Transformer rated meter - require installation of
- step-down transformer

RATE CLASS "R", "E", "G" & "H" Single-Phase Self-contained (Non-demand)

Single phase 120/240 Volt Self-contained Meter Type J5S, Form 2S, Class 200 (4 Jaw)	\$23.40
Single phase 120/208 Volt Self-contained Meter Type D5S-DU, Form 12S, Class 200 (5 Jaw, Network)	\$95.66
Weighted average based on # of meters purchased annually = [(4 x 23.40) + (\$95.66)/5]	\$37.85
Tax (4% x \$37.85)	\$1.51
Subtotal	\$39.37
Labor/Travel: 50 min. @ \$30.34 Grade 14	\$25.28
OH: Payroll taxes 8.51% (02/01/04)	\$2.15
Employer Benefits \$5.96 (02/01/04)	\$4.97
Non-Production Wages \$4.44 (02/01/04)	\$3.70
Corporate Admin \$2.74 (02/01/04)	\$2.28
Transportation - Medium Truck \$9.45 (01/01/04)	\$7.88
Subtotal	\$46.26
Total	\$85.63

RATE CLASS "R", "E", "G" & "H" Three-Phase Self-contained (non-demand)

3-phase, 4-wire, 120/208 and 277/480 Volt Self-contained Meter Type SV4SD, Form 16S, Class 200 (7 Jaw)	\$149.00
Type Alpha A1D P+, Form 16S, Class 200 (7 Jaw)	\$160.00
Average cost of meter	\$154.50
Tax (4% x \$154.50)	\$6.18
subtotal	\$160.68
Labor/Travel: 50 min. @ \$30.34 Grade 14	\$25.28
OH: Payroll taxes 8.51% (02/01/04)	\$2.15
Employer Benefits \$5.96 (02/01/04)	\$4.97
Non-Production Wages \$4.44 (02/01/04)	\$3.70
Corporate Admin \$2.74 (02/01/04)	\$2.28
Transportation - Medium Truck \$9.45 (01/01/04)	\$7.88
Subtotal	\$46.26

	Total	<u>\$206.94</u>
<u>RATE CLASS "R" & "E" Single-Phase Transformer-rated (Non-demand)</u>		
Single-phase, 120/240 Volt Transformer-rated meter		
Type SV3SD, Form 5S, Class 20 (8 Jaw)		\$149.00
Type Alpha A1D P+, Form 5S Class (8 Jaw)		\$160.00
Average cost of meter		\$154.50
Tax (4% x \$154.50)		\$6.18
	Subtotal	\$160.68
2 - Current Transformers @ \$39 ea		\$78.00
Tax (4% x \$78.00)		\$3.12
	Subtotal	\$81.12
1 - 7 Pole Test Switch @ \$45.21 ea		\$45.21
Tax (4% x \$45.21)		\$1.81
	Subtotal	\$47.02
Labor/Test/Travel: 4 hrs. @ \$30.34 Grade 14		\$121.36
OH: Payroll taxes 8.51% (02/01/04)		\$10.33
Employer Benefits \$5.96 (02/01/04)		\$23.84
Non-Production Wages \$4.44 (02/01/04)		\$17.76
Corporate Admin \$2.74 (02/01/04)		\$10.96
Transportation - Medium Truck \$9.45 (01/01/04)		\$37.80
	Subtotal	\$222.05
	Total	<u>\$510.87</u>

RATE CLASS "F" & "J" Single-phase Self-contained (Demand)

1-phase, 3-wire, 120/240 Volt Self-contained Meter		
Type Centron C1SD, form 2S, Class 200 (4 Jaw)		\$110.00
1-phase, 3-wire, 120/208 Volt Self-contained Meter		
Type Alpha A1D P+, Form 12S, Class 200 (5 Jaw)		\$160.00
Ave. cost of both meter types		\$135.00
Tax (4% x \$160)		\$5.40

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 124 OF 161
HECO-WP-2202
DOCKET NO. 04-0113
PAGE 120 OF 173

	Subtotal	\$140.40
Labor/Travel: 50 min. @ \$30.34 Grade 14		\$25.28
OH: Payroll taxes 8.51% (02/01/04)		\$2.15
Employer Benefits \$5.96 (02/01/04)		\$4.97
Non-Production Wages \$4.44 (02/01/04)		\$3.70
Corporate Admin \$2.74 (02/01/04)		\$2.28
Transportation - Medium Truck \$9.45 (01/01/04)		\$7.88
	Subtotal	\$46.26
	Total	<u>\$186.66</u>

RATE CLASS "F" & "J" Three-Phase Self-contained (Demand)

3-phase, 4-wire, 120/208 and 277/480 Volt Self-contained Meter		\$149.00
Type SV4SD, Form 16S, Class 200 (7 Jaw)		\$160.00
Type Alpha A1D P+, Form 16S, Class 200 (7 Jaw)		
Average cost of meter		\$154.50
Tax (4% x \$154.50)		\$6.18
	Subtotal	\$160.68

Labor/Travel: 50 min. @ \$30.34 Grade 14		\$25.28
OH: Payroll taxes 8.51% (02/01/04)		\$2.15
Employer Benefits \$5.96 (02/01/04)		\$4.97
Non-Production Wages \$4.44 (02/01/04)		\$3.70
Corporate Admin \$2.74 (02/01/04)		\$2.28
Transportation - Medium Truck \$9.45 (01/01/04)		\$7.88
	Subtotal	\$46.26
	Total	<u>\$206.94</u>

RATE CLASS "F" & "J" Single-phase Transformer-rated Secondary Voltage (Demand)

Single-phase, 120/240 Volt Transformer-rated meter		
Type SV3SD, Form 5S, Class 20 (8 Jaw)		\$149.00
Type Alpha A1D P+, Form 5S Class (8 Jaw)		\$160.00

Average cost of meter		\$154.50
Tax (4% x \$154.50)		\$6.18
	Subtotal	\$160.68
2 - Current Transformers @ \$39 ea		\$78.00
Tax (4% x \$78.00)		\$3.12
	Subtotal	\$81.12
1 - 7 Pole Test Switch @ \$45.21 ea		\$45.21
Tax (4% x \$45.21)		\$1.81
	Subtotal	\$47.02
Labor/Test/Travel: 4 hrs. @ \$30.34 Grade 14		\$121.36
OH: Payroll taxes 8.51% (02/01/04)		\$10.33
Employer Benefits \$5.96 (02/01/04)		\$23.84
Non-Production Wages \$4.44 (02/01/04)		\$17.76
Corporate Admin \$2.74 (02/01/04)		\$10.96
Transportation - Medium Truck \$9.45 (01/01/04)		\$37.80
	Subtotal	\$222.05
	Total	\$510.87

RATE CLASS "F", "J" & "PS" Three-phase Transformer-rated Secondary Voltage (Demand)

3-phase, 4-wire, 120/208 and 277/480 Volt Transformer-rated Meter		
Type SV5SR, Form 6S, Class 20 (13 Jaw)		\$575.00
Tax (4% x \$575.00)		\$23.00
	Subtotal	\$598.00
400:5 CT cost = \$39.00		
1200:5 CT cost = \$90.00		
Weighted average based on # of CTs purchased annually = $((12 \times 39.00) + (\$90.00))/13$		\$42.92
3 - Current Transformers @ weighted ave. \$42.92 ea		\$128.76
Tax (4% x \$128.76)		\$5.15
	Subtotal	\$133.91
1 - 10 Pole Test Switch @ \$71.75 ea		\$71.75
Tax (4% x \$71.75)		\$2.87

	Subtotal	\$74.62
		\$121.36
Labor/Test/Travel: 4 hrs. @ \$30.34 Grade 14		\$10.33
OH: Payroll taxes 8.51% (02/01/04)		\$23.84
Employer Benefits \$5.96 (02/01/04)		\$17.76
Non-Production Wages \$4.44 (02/01/04)		\$10.96
Corporate Admin \$2.74 (02/01/04)		\$37.80
Transportation - Medium Truck \$9.45 (01/01/04)		\$222.05
	Subtotal	\$222.05
	Total	<u>\$1,028.58</u>

RATE CLASS "F" & "J". Single-phase Transformer-rated Primary Voltage

Single-phase, 2W, Transformer-rated Meter		\$248.00
Type SB C1SL, Form 3S, Class 20 (5 Jaw)		\$9.92
Tax (4% x \$248)		\$257.92
	Subtotal	\$257.92
1 - Potential Transformer, 60:1(outdoor)		\$635.00
Tax (4% x \$640.00)		\$25.40
	Subtotal	\$660.40
1 - Current Transformer 15:5 (outdoor)		\$425.00
Tax (4% x \$425.00)		\$17.00
	Subtotal	\$442.00
1 - 7 Pole Test Switch @ \$45.21 ea		\$45.21
Tax (4% x \$45.21)		\$1.81
	Subtotal	\$47.02
Labor/Test/Travel: 4 hrs.- 2 Grade 14 @ \$30.34		\$242.72
OH: Payroll taxes 8.51% (02/01/04)		\$20.66
Employer Benefits \$5.96 (02/01/04)		\$47.68
Non-Production Wages \$4.44 (02/01/04)		\$35.52
Corporate Admin \$2.74 (02/01/04)		\$21.92
Transportation - Medium Truck \$9.45 (01/01/04)		\$75.60
	Subtotal	\$444.10

	Total	\$1,851.43
<u>RATE CLASS "F", "I" & "PP" Three-phase Transformer-rated Primary Voltage (Demand)</u>		
Three-phase, 4W, Transformer-rated Meter Type SVSSR, Form 6S, Class 20 (13 Jaw)		\$575.00
Cost of meter		\$575.00
Tax (4% x \$575.00)	Subtotal	\$23.00
		\$598.00
1 - Potential Transformer, 60:1 @ \$645 (indoor)		\$645.00
2 Potential Transformer		\$1,290.00
Tax (4% x \$1,290.00)	Subtotal	\$51.60
		\$1,341.60
1 - Current Transformer 300:5 @ \$465 (indoor)		\$465.00
3 - Current Transformer 300:5 (indoor)		\$1,395.00
Tax (4% x \$1,395.00)	Subtotal	\$55.80
		\$1,450.80
1 - 10 Pole Test Switch @ \$71.75 ea		\$71.75
Tax (4% x \$71.75)	Subtotal	\$2.87
		\$74.62
Labor/Test/Travel: 7 hrs. - 2 Grade 14 @ \$30.34		\$424.76
OH: Payroll taxes 8.51% (02/01/04)		\$36.15
Employer Benefits \$5.96 (02/01/04)		\$83.44
Non-Production Wages \$4.44 (02/01/04)		\$62.16
Corporate Admin \$2.74 (02/01/04)		\$38.36
Transportation - Medium Truck \$9.45 (01/01/04)		\$132.30
	Subtotal	\$777.17
	Total	\$4,242.19

RATE CLASS "PT" Three-phase Transformer-rated Transmission Voltage (Demand)

Three-phase, 4W, Transformer-rated Meter Type SV5SR, Form 6S, Class 20 (13 Jaw)		\$575.00
Cost of meter \$575.00		\$575.00
Tax (4% x \$575.00)		\$23.00
	subtotal	\$598.00
46 kV PT/CT combination provided and installed by Substation		n/a
1 - 10 Pole Test Switch @ \$71.75 ea		\$71.75
Tax (4% x \$71.75)		\$2.87
	subtotal	\$74.62
Labor/Test/Travel: 7 hrs.- Grade 14 @ \$30.34		\$212.38
OH: Payroll taxes 8.51% (02/01/04)		\$18.07
Employer Benefits \$5.96 (02/01/04)		\$41.72
Non-Production Wages \$4.44 (02/01/04)		\$31.08
Corporate Admin \$2.74 (02/01/04)		\$19.18
Transportation - Medium Truck \$9.45 (01/01/04)		\$66.15
	Subtotal	\$388.58
	Total	<u>\$1,061.20</u>

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 129 OF 161
HECO-WP-2202
DOCKET NO. 04-0113
PAGE 125 OF 173

TOU RATE CLASS "R" & "G" Single-Phase Self-contained

Single phase 120/240 Volt Self-contained Meter Type Centron C1ST, Form 2S, Class 200 (4 Jaw)	\$120.00 (price based on pallet or quantity of 96)
Single phase 120/208 Volt Self-contained Meter Type Centron CN1ST, Form 12S, Class 200 (5 Jaw, Network)	\$152.00 (price based on pallet or quantity of 96)
Weighted average based on # of meters purchased annually = $[(4 \times 120) + (\$152)]/5$	\$126.40
Tax (4% x \$126.40)	\$5.06
Subtotal	\$131.46
Program/Test/Install/Travel: 1 hr. @ \$30.34 Grade 14	\$30.34
OH: Payroll taxes 8.51% (02/01/04)	\$2.58
Employer Benefits \$5.96 (02/01/04)	\$5.96
Non-Production Wages \$4.44 (02/01/04)	\$4.44
Corporate Admin \$2.74 (02/01/04)	\$2.74
Transportation - Medium Truck \$9.45 (01/01/04)	\$9.45
Subtotal	\$55.51
Total	<u>\$186.97</u>

TOU RATE CLASS "R"& "G" Three-Phase Self-contained

3-phase, 4-wire, 120/208 and 277/480 Volt Self-contained Meter Type Sentinel SS4S1T, Form 16S, Class 200 (7 Jaw)	\$175.00 (price based on pallet or quantity of 96)
Average cost of meter	\$175.00
Tax (4% x \$175)	\$7.00
subtotal	\$182.00
Program/Test/Install/Travel: 1 hr. @ \$30.34 Grade 14	\$30.34
OH: Payroll taxes 8.51% (02/01/04)	\$2.58
Employer Benefits \$5.96 (02/01/04)	\$5.96
Non-Production Wages \$4.44 (02/01/04)	\$4.44
Corporate Admin \$2.74 (02/01/04)	\$2.74
Transportation - Medium Truck \$9.45 (01/01/04)	\$9.45
Subtotal	\$55.51

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 130 OF 161
HECO-WP-2202
DOCKET NO. 04-0113
PAGE 126 OF 173

Total \$237.51

TOU RATE CLASS "R" & "F" Single-Phase Transformer-rated

Single-phase, 120/240 Volt Transformer-rated meter
Type Sentinel Form 5S, Class 20 (8 Jaw) \$175.00

Tax (4% x \$175) \$7.00
Subtotal \$182.00

2 - Current Transformers @ \$39 ea \$78.00
Tax (4% x \$78.00) \$3.12
Subtotal \$81.12

1 - 7 Pole Test Switch @ \$45.21 ea \$45.21
Tax (4% x \$45.21) \$1.81
Subtotal \$47.02

Labor/Test/Travel: 4 hrs. @ \$30.34 Grade 14 \$121.36
OH: Payroll taxes 8.51% (02/01/04) \$10.33
Employer Benefits \$5.96 (02/01/04) \$23.84
Non-Production Wages \$4.44 (02/01/04) \$17.76
Corporate Admin \$2.74 (02/01/04) \$10.96
Transportation - Medium Truck \$9.45 (01/01/04) \$37.80
Subtotal \$222.05
Total \$532.19

TOU RATE CLASS "J" Single-phase Self-contained (Demand)

1-phase, 3-wire, 120/240 Volt Self-contained Meter
Type Centron CN1ST, Form 12S, Class 200 (4 Jaw) \$152.00 (price based on pallet or quantity of 96)

Tax (4% x \$120) \$6.08
Subtotal \$158.08

Program/Test/Labor/Travel: 1 hr. @ \$30.34 Grade 14 \$30.34
OH: Payroll taxes 8.51% (02/01/04) \$2.58

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 131 OF 161

HECO-WP-2202
DOCKET NO. 04-0113
PAGE 127 OF 173

Employer Benefits \$5.96 (02/01/04)	\$5.96
Non-Production Wages \$4.44 (02/01/04)	\$4.44
Corporate Admin \$2.74 (02/01/04)	\$2.74
Transportation - Medium Truck \$9.45 (01/01/04)	\$9.45
Subtotal	\$55.51
Total	<u>\$213.59</u>

RATE CLASS "J" Three-Phase Self-contained (Demand)

3-phase, 4-wire, 120/208 and 277/480 Volt Self-contained Meter Type Sentinel SS4S1T, Form 16S, Class 200 (7 Jaw)	\$175.00
Tax (4% x \$175)	\$7.00
Subtotal	\$182.00

Program/Test/Labor/Travel: 1 hour @ \$30.34 Grade 14	\$30.34
OH: Payroll taxes 8.51% (02/01/04)	\$2.58
Employer Benefits \$5.96 (02/01/04)	\$5.96
Non-Production Wages \$4.44 (02/01/04)	\$4.44
Corporate Admin \$2.74 (02/01/04)	\$2.74
Transportation - Medium Truck \$9.45 (01/01/04)	\$9.45
Subtotal	\$55.51
Total	<u>\$237.51</u>

RATE CLASS "J" Single-phase Transformer-rated Secondary Voltage (Demand)

Single-phase, 120/240 Volt Transformer-rated meter Type Sentinel Form 5S, Class 20 (8 Jaw)	\$175.00
Tax (4% x \$175)	\$7.00
Subtotal	\$182.00
2 - Current Transformers @ \$39 ea	\$78.00
Tax (4% x \$78.00)	\$3.12
Subtotal	\$81.12

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 132 OF 161
HECO-WP-2202
DOCKET NO. 04-0113
PAGE 128 OF 173

1 - 7 Pole Test Switch @ \$45.21 ea	\$45.21
Tax (4% x \$45.21)	\$1.81
Subtotal	\$47.02

Labor/Test/Travel: 4 hrs. @ \$30.34 Grade 14	\$121.36
OH: Payroll taxes 8.51% (02/01/04)	\$10.33
Employer Benefits \$5.96 (02/01/04)	\$23.84
Non-Production Wages \$4.44 (02/01/04)	\$17.76
Corporate Admin \$2.74 (02/01/04)	\$10.96
Transportation - Medium Truck \$9.45 (01/01/04)	\$37.80
Subtotal	\$222.05
Total	\$532.19

TOU RATE CLASS "J" & "PS" Three-phase Transformer-rated Secondary Voltage (Demand)

3-phase, 4-wire, 120/208 and 277/480 Volt Transformer-rated Meter	
Type SV5SR, Form 6S, Class 20 (13 Jaw)	\$575.00
Tax (4% x \$575.00)	\$23.00
Subtotal	\$598.00

400:5 CT cost = \$39.00	
1200:5 CT cost = \$90.00	
Weighted average based on # of CTs purchased annually = $[(12 \times 39.00) + (\$90.00)]/13$	\$42.92
3 - Current Transformers @ weighted ave. \$42.92 ea	\$128.76
Tax (4% x \$128.76)	\$5.15
Subtotal	\$133.91

1 - 10 Pole Test Switch @ \$71.75 ea	\$71.75
Tax (4% x \$71.75)	\$2.87
Subtotal	\$74.62

Install/Test/Travel: 4 hrs. @ \$30.34 Grade 14	\$121.36
OH: Payroll taxes 8.51% (02/01/04)	\$10.33
Employer Benefits \$5.96 (02/01/04)	\$23.84
Non-Production Wages \$4.44 (02/01/04)	\$17.76
Corporate Admin \$2.74 (02/01/04)	\$10.96

HECO-WP-2001
DOCKET NO. 2006-0386
PAGE 133 OF 161
HECO-WP-2202
DOCKET NO. 04-0113
PAGE 129 OF 173

Transportation - Medium Truck \$9.45 (01/01/04)
Subtotal \$37.80
Total \$222.05
\$1,028.58

TOU RATE CLASS "J" & "PP" Three-phase Transformer-rated Primary Voltage (Demand)

Three-phase, 4W, Transformer-rated Meter
Type SV5SR, Form 6S, Class 20 (13 Jaw)
\$575.00

Cost of meter
Tax (4% x \$575.00)
Subtotal \$575.00
\$23.00
\$598.00

1 - Potential Transformer, 60:1 @ \$645 (indoor)
2 Potential Transformer
Tax (4% x \$1,290.00)
Subtotal \$645.00
\$1,290.00
\$51.60
\$1,341.60

1 - Current Transformer 300:5 @ \$465 (indoor)
3 - Current Transformer 300:5 (indoor)
Tax (4% x \$1,395.00)
Subtotal \$465.00
\$1,395.00
\$55.80
\$1,450.80

1 - 10 Pole Test Switch @ \$71.75 ea
Tax (4% x \$71.75)
Subtotal \$71.75
\$2.87
\$74.62

Labor/Test/Travel: 7 hrs.- 2 Grade 14 @ \$30.34
OH: Payroll taxes 8.51% (02/01/04)
Employer Benefits \$5.98 (02/01/04)
Non-Production Wages \$4.44 (02/01/04)
Corporate Admin \$2.74 (02/01/04)
Transportation - Medium Truck \$9.45 (01/01/04)
Subtotal \$424.76
Total \$36.15
\$83.44
\$62.16
\$38.36
\$132.30
\$777.17
\$4,242.19

Hawaiian Electric Company, Inc.
Docket No. 04-0113, Test-Year 2005

	QTY	QTY	Total Installed Costs	Unit Installed Costs	Wgt Fct	TEST-YEAR 2005	
						Customer Component	Demand Component
		(Data Period: 1992-1998)		(\$/Cond Ft)		(Data Period: 1985-2003) 48%	52%
Account 364 - Poles							
Account 365 - OH Conductors							
	(Installed Ft)	(Cond x Q)					
Pri OH Aluminum	506,840	506,840	\$2,907,203				
Pri OH Copper	-	-	-				
Subtotal Pri OH Conductors	506,840	506,840	\$2,907,203	\$5.74	63.85%		
Sec OH Aluminum	860,380	1,962,245	\$6,375,443				
Sec OH Copper	-	-	-				
Subtotal Sec OH Conductors	860,380	1,962,245	\$6,375,443	\$3.25	36.15%		
Total Acct 365 - OH Conductors	1,367,220	2,469,085	\$9,282,646	\$8.99	100.00%	42%	58%
Account 366 - UG Conduits							
Account 367 - UG Conductors							
Pri UG Aluminum	2,275,108	5,028,908	\$36,842,695				
Pri UG Copper	158,957	386,055	\$5,014,247		92.46%	41%	
Subtotal Pri UG Conductors	2,434,065	5,414,963	\$41,856,942	\$7.73	69.70%		
Sec UG Aluminum	519,722	1,780,770	\$5,086,247				
Sec UG Copper	12,959	38,877	\$1,019,872		7.54%	55%	
Subtotal Sec UG Conductors	532,681	1,819,647	\$6,106,119	\$3.36	30.30%		
Total Acct 367 UG Conductors	2,966,746	7,234,610	\$47,963,061	\$11.09	100.00%	42%	58%
Account 368 - Transformers							
1-Phase Pole Mount/OH		4,892	\$11,482,346			60%	40%
1-Phase Padmount		2,734	\$10,386,714				
Subtotal		7,626	\$21,869,060	\$2,868	23.02%		
3-Phase Pole Mount/OH		297	\$1,235,910				
3-Phase Padmount		844	\$9,703,523				
Subtotal		1,141	\$10,939,433	\$9,588	76.98%		
Total Transformers		8,767	\$32,808,493	\$12,456	100.00%		

Hawaiian Electric Company, Inc.
Docket No. 04-0113, Test-Year 2005
Demand VS Customer Component of Primary and Secondary Distribution Lines

	Distribution Poles (Acct 364)	OH Conductors (Acct 365)	UG Conduits (Acct 366)	UG Conductors (Acct 367)	Total Dist Lines	% of Total
A. Primary Voltage						
1. Component Breakdown (%)						
A. Demand	52.0%	58.0%	58.0%	58.0%	57.6%	
B. Customer	48.0%	42.0%	42.0%	42.0%	42.4%	
Total	100.0%	100.0%	100.0%	100.0%	100.0%	
2. Pri Plt Bal As of 12/31/03 (\$000s)						
A. Demand	\$14,522.0	\$14,426.1	\$95,733.9	\$99,981.8	\$224,663.8	40.5%
B. Customer	\$13,404.9	\$10,446.5	\$69,324.6	\$72,400.6	\$165,576.6	29.8%
Total Primary	\$27,926.9	\$24,872.5	\$165,058.5	\$172,382.4	\$390,240.4	70.3%
B. Secondary Voltage						
1. Component Breakdown (%)						
A. Demand	52.0%	58.0%	58.0%	58.0%	55.8%	
B. Customer	48.0%	42.0%	42.0%	42.0%	44.2%	
Total	100.0%	100.0%	100.0%	100.0%	100.0%	
2. Sec Plt Bal As of 12/31/03 (\$000s)						
A. Demand	\$31,874.1	\$31,663.5	\$13,927.0	\$14,544.9	\$92,009.5	16.6%
B. Customer	\$29,422.2	\$22,928.7	\$10,085.0	\$10,532.5	\$72,968.4	13.1%
Total Secondary	\$61,296.3	\$54,592.2	\$24,012.0	\$25,077.4	\$164,977.9	29.7%
Total Plant Balance (\$000s)	\$89,223.2	\$79,464.7	\$189,070.5	\$197,459.8	\$555,218.3	100.0%

Account 364- Poles

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 30 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE= 2003	QUANTITY (NO.)	COST (\$)	COST (\$)	INSTALLED (\$/POLE)	REPLACED (\$/POLE)
1985	262	1.67	157	37,518	62,578	238.97	398.58
1986	264	1.66	99	43,910	72,684	443.54	734.19
1987	265	1.65	142	79,644	131,337	560.87	924.91
1988	276	1.58	187	119,548	189,284	639.29	1,012.22
1989	285	1.53	83	68,552	105,113	825.93	1,266.42
1990	294	1.49	78	115,605	171,835	1,482.12	2,203.01
1991	308	1.42	106	121,745	172,736	1,148.54	1,629.58
1992	323	1.35	108	118,299	160,052	1,095.36	1,481.96
1993	331	1.32	120	120,349	158,890	1,002.91	1,324.08
1994	350	1.25	110	70,461	87,976	640.55	799.78
1995	364	1.20	135	83,355	100,072	617.44	741.27
1996	371	1.18	134	68,635	80,845	512.20	603.32
1997	382	1.14	151	264,345	302,405	1,750.63	2,002.68
1998	387	1.13	118	197,908	223,478	1,677.19	1,893.88
1999	391	1.12	148	75,602	84,496	510.82	570.92
2000	398	1.10	101	50,049	54,953	495.53	544.09
2001	403	1.08	147	113,806	123,407	774.19	839.51
2002	426	1.03	90	55,429	58,860	615.88	631.78
2003	437	1.00	54	58,241	58,241	1,078.54	1,078.54

TOTAL FOR 19 YEARS			2268	1,863,001	2,397,242	821.43	1,056.99

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HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 35 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE= 2003	QUANTITY (NO.)	COST (\$)	COST (\$)	INSTALLED (\$/POLE)	REPLACED (\$/POLE)
1985	262	1.67	61	16,942	28,258	277.74	463.25
1986	264	1.66	63	33,997	56,275	539.63	893.26
1987	265	1.65	75	65,781	108,477	877.08	1,446.35
1988	276	1.58	100	64,794	102,591	647.94	1,025.91
1989	285	1.53	53	60,458	92,702	1,140.72	1,749.10
1990	294	1.49	64	67,624	100,516	1,056.63	1,570.56
1991	308	1.42	61	81,073	115,029	1,329.07	1,885.72
1992	323	1.35	107	118,817	160,752	1,110.44	1,502.36
1993	331	1.32	126	178,538	235,713	1,416.97	1,870.74
1994	350	1.25	136	139,976	174,770	1,029.24	1,285.07
1995	364	1.20	118	143,776	172,610	1,218.44	1,462.80
1996	371	1.18	104	171,203	201,660	1,646.18	1,939.03
1997	382	1.14	133	248,049	283,763	1,865.03	2,133.56
1998	387	1.13	129	251,900	284,445	1,952.71	2,205.00
1999	391	1.12	92	143,218	160,067	1,556.72	1,739.86
2000	398	1.10	100	161,852	177,712	1,618.52	1,777.12
2001	403	1.08	228	248,107	269,039	1,088.19	1,180.00
2002	426	1.03	163	223,727	229,504	1,372.56	1,408.00
2003	437	1.00	180	258,956	258,956	1,438.64	1,438.64

TOTAL FOR 19 YEARS			2093	2,678,788	3,212,840	1,279.88	1,535.04

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 40 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE=	QUANTITY	COST	COST	INSTALLED	REPLACED
		2003	(NO.)	(\$)	(\$)	(\$/POLE)	(\$/POLE)
1985	262	1.67	270	131,686	219,644	487.73	813.50
1986	264	1.66	253	225,064	372,549	889.58	1,472.53
1987	265	1.65	501	495,732	817,490	989.49	1,631.72
1988	276	1.58	721	559,721	886,225	776.31	1,229.16
1989	285	1.53	132	179,543	275,299	1,360.17	2,085.60
1990	294	1.49	178	248,981	370,084	1,398.77	2,079.12
1991	308	1.42	87	153,659	218,016	1,766.20	2,505.93
1992	323	1.35	182	287,374	388,800	1,578.98	2,136.26
1993	331	1.32	190	362,277	478,293	1,906.72	2,517.33
1994	350	1.25	243	393,741	491,614	1,620.33	2,023.10
1995	364	1.20	286	380,638	456,975	1,330.90	1,597.81
1996	371	1.18	251	379,724	447,276	1,512.84	1,781.98
1997	382	1.14	337	523,559	598,941	1,553.59	1,777.27
1998	387	1.13	248	737,280	832,536	2,972.90	3,357.00
1999	391	1.12	185	280,434	313,426	1,515.86	1,694.20
2000	398	1.10	262	385,548	423,328	1,471.56	1,615.76
2001	403	1.08	390	356,250	386,306	913.46	990.53
2002	426	1.03	251	427,018	438,044	1,701.27	1,745.20
2003	437	1.00	234	427,425	427,425	1,826.60	1,826.60

TOTAL FOR 19 YEARS			5201	6,935,654	8,842,271	1,333.52	1,700.11

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 45 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE=	QUANTITY	COST	COST	INSTALLED	REPLACED
		2003	(NO.)	(\$)	(\$)	(\$/POLE)	(\$/POLE)
1985	262	1.67	154	156,250	260,615	1,014.61	1,692.31
1986	264	1.66	204	248,459	411,275	1,217.94	2,016.05
1987	265	1.65	304	354,937	585,311	1,167.56	1,925.37
1988	276	1.58	307	289,520	458,407	943.06	1,493.18
1989	285	1.53	125	206,226	316,213	1,649.81	2,529.71
1990	294	1.49	207	400,660	595,539	1,935.56	2,877.00
1991	308	1.42	115	252,205	357,836	2,193.09	3,111.62
1992	323	1.35	183	403,103	545,375	2,202.75	2,980.19
1993	331	1.32	248	739,430	976,226	2,981.57	3,936.40
1994	350	1.25	223	446,198	557,110	2,000.89	2,498.25
1995	364	1.20	299	695,668	835,184	2,326.65	2,793.26
1996	371	1.18	234	564,503	664,927	2,412.41	2,841.57
1997	382	1.14	293	1,192,814	1,364,554	4,071.04	4,657.18
1998	387	1.13	376	1,544,975	1,744,584	4,108.98	4,639.85
1999	391	1.12	213	523,997	585,644	2,460.08	2,749.50
2000	398	1.10	313	749,028	822,425	2,393.06	2,627.56
2001	403	1.08	435	330,271	358,135	759.24	823.30
2002	426	1.03	376	884,513	907,353	2,352.43	2,413.17
2003	437	1.00	434	892,408	892,408	2,056.24	2,056.24

TOTAL FOR 19 YEARS			5043	10,875,165	13,239,121	2,156.49	2,625.25

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 50 FT

H-W COST INDEX			INSTALLED		REPLACEMENT	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INSTALLED	REPLACED
		2003	(NO.)	(\$)	(\$)	(\$/POLE)	(\$/POLE)
1985	262	1.67	55	87,817	146,473	1,596.67	2,663.15
1986	264	1.66	94	158,102	261,707	1,681.94	2,784.11
1987	265	1.65	166	215,445	355,281	1,297.86	2,140.25
1988	276	1.58	173	176,560	279,553	1,020.58	1,615.92
1989	285	1.53	53	141,049	216,275	2,661.30	4,080.66
1990	294	1.49	103	204,294	303,661	1,983.44	2,948.17
1991	308	1.42	52	154,385	219,046	2,968.94	4,212.43
1992	323	1.35	50	142,434	192,705	2,848.68	3,854.10
1993	331	1.32	111	347,709	459,060	3,132.51	4,135.67
1994	350	1.25	78	304,544	380,245	3,904.41	4,874.94
1995	364	1.20	128	330,905	397,268	2,585.20	3,103.65
1996	371	1.18	91	251,181	295,865	2,760.23	3,251.27
1997	382	1.14	125	458,117	524,076	3,664.94	4,192.61
1998	387	1.13	179	947,281	1,069,669	5,292.07	5,975.80
1999	391	1.12	83	221,820	247,916	2,672.53	2,986.95
2000	398	1.10	147	389,710	427,898	2,651.09	2,910.87
2001	403	1.08	172	152,186	165,026	884.80	959.45
2002	426	1.03	150	375,507	385,203	2,503.38	2,568.02
2003	437	1.00	177	412,590	412,590	2,331.02	2,331.02

TOTAL FOR 19 YEARS			2187	5,471,636	6,739,518	2,501.89	3,081.63

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 55 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE= 2003	QUANTITY (NO.)	COST (\$)	COST (\$)	INSTALLED (\$/POLE)	REPLACED (\$/POLE)
1985	262	1.67	14	16,936	28,248	1,209.71	2,017.73
1986	264	1.66	20	43,088	71,324	2,154.40	3,566.18
1987	265	1.65	108	145,704	240,274	1,349.11	2,224.76
1988	276	1.58	26	36,433	57,686	1,401.27	2,218.68
1989	285	1.53	13	53,541	82,096	4,118.54	6,315.09
1990	294	1.49	25	65,550	97,433	2,622.00	3,897.33
1991	308	1.42	22	70,095	99,453	3,186.14	4,520.59
1992	323	1.35	25	83,241	112,620	3,329.64	4,504.81
1993	331	1.32	32	97,688	128,972	3,052.75	4,030.37
1994	350	1.25	29	91,053	113,686	3,139.76	3,920.21
1995	364	1.20	61	166,478	199,865	2,729.15	3,276.48
1996	371	1.18	20	80,848	95,231	4,042.40	4,761.53
1997	382	1.14	33	223,435	255,605	6,770.76	7,745.60
1998	387	1.13	40	251,355	283,830	6,283.88	7,095.75
1999	391	1.12	27	109,145	121,986	4,042.41	4,517.98
2000	398	1.10	58	226,827	249,054	3,910.81	4,294.03
2001	403	1.08	42	70,549	76,501	1,679.74	1,821.45
2002	426	1.03	56	222,030	227,763	3,964.82	4,067.20
2003	437	1.00	57	190,607	190,607	3,343.98	3,343.98
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TOTAL FOR 19 YEARS			708	2,244,603	2,732,233	3,170.34	3,859.09

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 60 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE= 2003	QUANTITY (NO.)	COST (\$)	COST (\$)	INSTALLED (\$/POLE)	REPLACED (\$/POLE)
1985	262	1.67	11	12,085	20,157	1,098.64	1,832.46
1986	264	1.66	12	20,063	33,210	1,671.92	2,767.53
1987	265	1.65	16	23,013	37,950	1,438.31	2,371.86
1988	276	1.58	48	98,926	156,633	2,060.96	3,263.18
1989	285	1.53	46	95,581	146,558	2,077.85	3,186.03
1990	294	1.49	15	43,743	65,019	2,916.20	4,334.62
1991	308	1.42	17	53,833	76,380	3,166.65	4,492.94
1992	323	1.35	10	93,358	126,308	9,335.80	12,630.79
1993	331	1.32	18	53,846	71,090	2,991.44	3,949.43
1994	350	1.25	11	46,634	58,226	4,239.45	5,293.26
1995	364	1.20	34	148,043	177,733	4,354.21	5,227.44
1996	371	1.18	24	52,818	62,214	2,200.75	2,592.26
1997	382	1.14	17	83,776	95,838	4,928.00	5,637.53
1998	387	1.13	28	142,322	160,710	5,082.93	5,739.64
1999	391	1.12	27	59,421	66,412	2,200.78	2,459.69
2000	398	1.10	47	103,436	113,572	2,200.77	2,416.42
2001	403	1.08	72	154,280	167,296	2,142.78	2,323.56
2002	426	1.03	83	188,930	193,808	2,276.27	2,335.04
2003	437	1.00	33	157,717	157,717	4,779.30	4,779.30

TOTAL FOR 19 YEARS			569	1,631,825	1,986,830	2,867.88	3,491.79

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 65 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE= 2003	QUANTITY (NO.)	COST (\$)	COST (\$)	INSTALLED (\$/POLE)	REPLACED (\$/POLE)
1985	262	1.67	1	758	1,264	758.00	1,264.30
1986	264	1.66	3	14,442	23,906	4,814.00	7,968.63
1987	265	1.65	7	18,085	29,823	2,583.57	4,260.46
1988	276	1.58	11	34,812	55,119	3,164.73	5,010.82
1989	285	1.53	1	2,711	4,157	2,711.00	4,156.87
1990	294	1.49	6	9,825	14,604	1,637.50	2,433.97
1991	308	1.42	2	7,421	10,529	3,710.50	5,264.57
1992	323	1.35
1993	331	1.32
1994	350	1.25	3	12,048	15,043	4,016.00	5,014.26
1995	364	1.20	5	26,648	31,992	5,329.60	6,398.45
1996	371	1.18	5	19,141	22,546	3,828.20	4,509.23
1997	382	1.14	8	43,538	49,807	5,442.25	6,225.82
1998	387	1.13	12	103,516	116,890	8,626.33	9,740.85
1999	391	1.12	8	30,625	34,228	3,828.13	4,278.49
2000	398	1.10	20	76,563	84,065	3,828.15	4,203.27
2001	403	1.08	20	67,711	73,424	3,385.55	3,671.18
2002	426	1.03	30	98,229	100,765	3,274.30	3,358.85
2003	437	1.00	10	44,875	44,875	4,487.50	4,487.50

TOTAL FOR 19 YEARS			152	610,948	713,037	4,019.39	4,691.04

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 70 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE=	QUANTITY	COST	COST	INSTALLED	REPLACED
		2003	(NO.)	(\$)	(\$)	(\$/POLE)	(\$/POLE)
1985	262	1.67
1986	264	1.66	2	2,368	3,920	1,184.00	1,959.88
1987	265	1.65	2	5,580	9,202	2,790.00	4,600.87
1988	276	1.58
1989	285	1.53	23	26,460	40,572	1,150.43	1,764.00
1990	294	1.49
1991	308	1.42	2	8,845	12,550	4,422.50	6,274.78
1992	323	1.35
1993	331	1.32
1994	350	1.25	2	15,716	19,623	7,858.00	9,811.27
1995	364	1.20
1996	371	1.18
1997	382	1.14	6	43,494	49,756	7,249.00	8,292.70
1998	387	1.13	3	9,511	10,740	3,170.33	3,579.94
1999	391	1.12
2000	398	1.10	3	7,673	8,425	2,557.67	2,808.29
2001	403	1.08	7	31,927	34,621	4,561.00	4,945.80
2002	426	1.03	3	11,484	11,781	3,828.00	3,926.85
2003	437	1.00
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TOTAL FOR 19 YEARS			53	163,058	201,188	3,076.57	3,795.99

HECO COST ANALYSIS FOR DISTRIBUTION POLE SIZE = 75 FT

YEAR	H-W COST INDEX		INSTALLED		REPLACEMENT	UNIT COSTS	
	INDEX	BASE=	QUANTITY	COST	COST	INSTALLED	REPLACED
		2003	(NO.)	(\$)	(\$)	(\$/POLE)	(\$/POLE)
1985	262	1.67
1986	264	1.66
1987	265	1.65	3	1,335	2,201	445.00	733.83
1988	276	1.58
1989	285	1.53
1990	294	1.49
1991	308	1.42
1992	323	1.35
1993	331	1.32
1994	350	1.25	3	11,934	14,900	3,978.00	4,966.82
1995	364	1.20
1996	371	1.18
1997	382	1.14	1	1,386	1,586	1,386.00	1,585.55
1998	387	1.13	1	157	177	157.00	177.28
1999	391	1.12
2000	398	1.10	2	3,570	3,920	1,785.00	1,959.91
2001	403	1.08	5	18,009	19,528	3,601.80	3,905.67
2002	426	1.03
2003	437	1.00
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TOTAL FOR 19 YEARS			15	36,391	42,313	2,426.07	2,820.87

OVERALL TOTAL 18289 32,511,069 40,106,593 1,777.63 2,192.94

HECO: SUMMARY OF DISTRIBUTION POLES

DATA PERIOD = 1970 - 2003
85

SIZE (FT.)	INSTALLED		REPLACEMENT	AVE COSTS	
	QUANTITY (NO.)	COST (\$)	COST (\$)	INSTALLED (\$/POLE)	REPLACED (\$/POLE)
30	2,268	1,863,001	2,397,242	821.43	1,056.99
35	2,093	2,678,788	3,212,840	1,279.88	1,535.04
40	5,201	6,935,654	8,842,271	1,333.52	1,700.11
45	5,043	10,875,165	13,239,121	2,156.49	2,625.25
50	2,187	5,471,636	6,739,518	2,501.89	3,081.63
55	708	2,244,603	2,732,233	3,170.34	3,859.09
60	569	1,631,825	1,986,830	2,867.88	3,491.79
65	152	610,948	713,037	4,019.39	4,691.04
70	53	163,058	201,188	3,076.57	3,795.99
75	15	36,391	42,313	2,426.07	2,820.87
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TOTALS AND AVERAGES	18,289	32,511,069	40,106,593	1,777.63	2,192.94

CUSTOMER COMPONENT, MIN. SIZE METHOD (%) = 46.21 48.20

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HECO COST ANALYSIS FOR UG PRIMARY CONDUCTOR = #4_3/C_CU 106 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1985	229	1.52	990	4,467	6,808	4.51	6.88
1986	243	1.44	120	218	313	1.82	2.61
1987	244	1.43	5,556	23,991	34,315	4.32	6.18
1988	244	1.43	6,300	53,521	76,553	8.50	12.15
1989	261	1.34	3,888	30,989	41,437	7.97	10.66
1990	274	1.27
1991	284	1.23	0	0	0	.	.
1992	284	1.23	1,899	11,315	13,905	5.96	7.32
1993	291	1.20
1994	291	1.20	1,530	33,889	40,644	22.15	26.56
1995	308	1.13
1996	313	1.12
1997	314	1.11
1998	320	1.09
1999	329	1.06	8,475	79,521	84,355	9.38	9.95
2000	335	1.04
2001	327	1.07	41,556	108,682	115,994	2.62	2.79
2002	343	1.02
2003	349	1.00
TOTAL FOR 19 YEARS			70,314	346,593	414,323	4.93	5.89

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160

HECO COST ANALYSIS FOR UG PRIMARY CONDUCTOR = #1/0_3/C_CU 152 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1992	284	1.23	10,236	40,699	50,014	3.98	4.89
1993	291	1.20	74,574	281,174	337,216	3.77	4.52
1994	291	1.20	39,573	172,852	207,304	4.37	5.24
1995	308	1.13	14,580	173,597	196,706	11.91	13.49
1996	313	1.12	23,550	210,211	234,389	8.93	9.95
1997	314	1.11
1998	320	1.09
1999	329	1.06
2000	335	1.04
2001	327	1.07
2002	343	1.02	67,788	663,120	674,720	9.78	9.95
2003	349	1.00	180,684	1,798,416	1,798,416	9.95	9.95
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TOTAL FOR 12 YEARS			410,985	3,340,069	3,498,763	8.13	8.51

HECO COST ANALYSIS FOR UG PRIMARY CONDUCTOR = #1/0_CU 152 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1992	284	1.23
1993	291	1.20	2,052	9,607	11,522	4.68	5.61
1994	291	1.20	25,273	169,482	203,262	6.71	8.04
1995	308	1.13	9,610	83,727	94,872	8.71	9.87
1996	313	1.12	8,473	63,622	70,940	7.51	8.37
1997	314	1.11
1998	320	1.09	60,512	464,608	506,713	7.68	8.37
1999	329	1.06
2000	335	1.04	900	7,234	7,536	8.04	8.37
2001	327	1.07
2002	343	1.02
2003	349	1.00
TOTAL FOR 12 YEARS			106,820	798,280	894,845	7.47	8.38

HECO COST ANALYSIS FOR UG PRIMARY CONDUCTOR = #4/0_3/C_CU 273 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1985	229	1.52	17,133	115,121	175,446	6.72	10.24
1986	243	1.44	14,865	64,707	92,933	4.35	6.25
1987	244	1.43	19,755	56,650	81,028	2.87	4.10
1988	244	1.43	3,825	42,924	61,395	11.22	16.05
1989	261	1.34	7,272	53,607	71,681	7.37	9.86
1990	274	1.27	34,509	309,273	393,928	8.96	11.42
1991	284	1.23	4,710	94,486	116,111	20.06	24.65
1992	284	1.23	4,296	58,666	72,093	13.66	16.78
1993	291	1.20	19,761	112,276	134,654	5.68	6.81
1994	291	1.20	45,009	337,386	404,631	7.50	8.99
1995	308	1.13	27,942	259,191	293,694	9.28	10.51
1996	313	1.12	5,493	144,299	160,896	26.27	29.29
1997	314	1.11	1,452	38,997	43,344	26.86	29.85
1998	320	1.09
1999	329	1.06
2000	335	1.04	540	15,183	15,818	28.12	29.29
2001	327	1.07	5,664	155,449	165,907	27.45	29.29
2002	343	1.02	27,300	785,909	799,657	28.79	29.29
2003	349	1.00	6,030	176,628	176,628	29.29	29.29
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TOTAL FOR 19 YEARS			245,556	2,820,752	3,259,845	11.49	13.28

HECO COST ANALYSIS FOR UG PRIMARY CONDUCTOR = 350_MCM_3CU 364 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1985	229	1.52	6,795	33,726	51,399	4.96	7.56
1986	243	1.44	2,835	12,025	17,270	4.24	6.09
1987	244	1.43	2,790	15,835	22,649	5.68	8.12
1988	244	1.43	11,640	168,230	240,624	14.45	20.67
1989	261	1.34	900	30,049	40,180	33.39	44.64
1990	274	1.27	16,542	191,459	243,866	11.57	14.74
1991	284	1.23	4,212	80,844	99,347	19.19	23.59
1992	284	1.23	0	0	0	.	.
1993	291	1.20	12,930	362,060	434,223	28.00	33.58
1994	291	1.20	7,005	264,765	317,536	37.80	45.33
1995	308	1.13	585	10,675	12,096	18.25	20.68
1996	313	1.12	675	41,122	45,852	60.92	67.93
1997	314	1.11	32,409	1,980,664	2,201,439	61.11	67.93
1998	320	1.09
1999	329	1.06
2000	335	1.04	5,400	352,090	366,804	65.20	67.93
2001	327	1.07
2002	343	1.02	3,045	203,281	206,837	66.76	67.93
2003	349	1.00
TOTAL FOR 19 YEARS			107,763	3,746,825	4,300,123	34.77	39.90

HECO COST ANALYSIS FOR UG PRIMARY CONDUCTOR = 400_MCM_3/C_ 371 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1992	284	1.23	3,000	23,617	29,022	7.87	9.67
1993	291	1.20	12,414	119,445	143,252	9.82	11.54
1994	291	1.20	1,074	7,638	9,160	7.11	8.53
1995	308	1.13	750	3,271	3,706	4.36	4.94
1996	313	1.12
1997	314	1.11
1998	320	1.09	15,660	975,343	1,063,733	62.28	67.93
1999	329	1.06
2000	335	1.04	7,200	469,454	489,073	65.20	67.93
2001	327	1.07
2002	343	1.02	2,961	197,673	201,131	66.76	67.93
2003	349	1.00
TOTAL FOR 12 YEARS			43,059	1,796,441	1,939,078	41.72	45.03

OVERALL TOTAL	984,497	12,848,960	14,306,977	13.05	14.53
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HECO: SUMMARY OF UNDERGROUND CU PRIMARY CONDUCTORS
DATA PERIOD = 1985 - 2003

TYPE	SIZE (AMPS)	INSTALLED		REPLACED		UNIT COSTS	
		QUANTITY (CON FT)	COST (\$)	COST (\$)		INST. (\$/FT)	REPL. (\$/FT)
#4_3/C_CU	106	70,314	346,593	414,323		4.93	5.89
#1/0_3/C_CU	152	410,985	3,340,069	3,498,763		8.13	8.51
#1/0_CU	152	106,820	798,280	894,845		7.47	8.38
#4/0_3/C_CU	273	245,556	2,820,752	3,259,845		11.49	13.28
350_MCM_3CU	364	107,763	3,746,825	4,300,123		34.77	39.90
400_MCM_3/C_	371	43,059	1,796,441	1,939,078		41.72	45.03
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TOTALS AND AVERAGES		984,497	12,848,960	14,306,977		13.05	14.53

CUSTOMER COMPONENT, MIN. SIZE METHOD (%) =

37.77 40.55

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HECO COST ANALYSIS FOR UG SECOND CONDUCTOR = #4_3/C_CU 95 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1985	229	1.52	15,975	3,954	6,026	0.25	0.38
1986	243	1.44	360	736	1,057	2.04	2.94
1987	244	1.43
1988	244	1.43
1989	261	1.34
1990	274	1.27
1991	284	1.23	1,350	15,449	18,985	11.44	14.06
1992	284	1.23	1,488	1,039	1,277	0.70	0.86
1993	291	1.20
1994	291	1.20
1995	308	1.13
1996	313	1.12
1997	314	1.11	3,630	31,730	35,267	8.74	9.72
1998	320	1.09	21,645	192,818	210,292	8.91	9.72
1999	329	1.06
2000	335	1.04	21,114	196,904	205,133	9.33	9.72
2001	327	1.07	33,636	293,082	312,800	8.71	9.30
2002	343	1.02	34,578	330,167	335,943	9.55	9.72
2003	349	1.00	20,178	196,039	196,039	9.72	9.72
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TOTAL FOR 19 YEARS			153,954	1,261,918	1,322,818	8.20	8.59

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167

HECO COST ANALYSIS FOR UG SECOND CONDUCTOR = #1/0_3/C_CU 167 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1978	158	2.21	945	10,468	23,122	11.08	24.47
1979	200	1.75	7,473	6,452	11,259	0.86	1.51
1985	229	1.52	11,343	15,561	23,715	1.37	2.09
1986	243	1.44	4,590	4,259	6,117	0.93	1.33
1987	244	1.43	540	1,129	1,615	2.09	2.99
1988	244	1.43
1989	261	1.34
1990	274	1.27
1991	284	1.23	3,609	7,880	9,684	2.18	2.68
1992	284	1.23	1,695	7,610	9,352	4.49	5.52
1993	291	1.20	3,162	10,552	12,655	3.34	4.00
1994	291	1.20	228	30,765	36,897	134.93	161.83
1995	308	1.13
1996	313	1.12	1,080	9,410	10,492	8.71	9.72
1997	314	1.11	1,059	9,257	10,289	8.74	9.72
1998	320	1.09	3,825	34,074	37,162	8.91	9.72
1999	329	1.06	12,297	112,625	119,472	9.16	9.72
2000	335	1.04	5,076	47,338	49,316	9.33	9.72
2001	327	1.07	10,536	91,804	97,980	8.71	9.30
2002	343	1.02	17,862	170,555	173,538	9.55	9.72
2003	349	1.00	13,041	126,700	126,700	9.72	9.72
-----			-----		-----	-----	-----
TOTAL FOR 21 YEARS			98,361	696,439	759,365	7.08	7.72

HECO COST ANALYSIS FOR UG SECOND CONDUCTOR = #4/O_3/C_CU 253 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1985	229	1.52	20,157	18,485	28,171	0.92	1.40
1986	243	1.44	3,882	7,631	10,960	1.97	2.82
1987	244	1.43	1,278	9,187	13,140	7.19	10.28
1988	244	1.43	3,141	27,372	39,151	8.71	12.46
1989	261	1.34
1990	274	1.27
1991	284	1.23	1,281	43,599	53,578	34.04	41.82
1992	284	1.23	6,315	79,434	97,614	12.58	15.46
1993	291	1.20
1994	291	1.20	3,522	71,097	85,268	20.19	24.21
1995	308	1.13
1996	313	1.12	2,757	34,346	38,296	12.46	13.89
1997	314	1.11	159	1,987	2,208	12.50	13.89
1998	320	1.09	28,689	365,362	398,473	12.74	13.89
1999	329	1.06	32,067	419,867	445,391	13.09	13.89
2000	335	1.04	17,514	233,500	243,258	13.33	13.89
2001	327	1.07	9,768	121,677	129,863	12.46	13.29
2002	343	1.02	24,435	333,552	339,387	13.65	13.89
2003	349	1.00	13,977	194,132	194,132	13.89	13.89
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TOTAL FOR 19	YEARS		168,942	1,961,228	2,118,891	11.61	12.54

HECO COST ANALYSIS FOR UG SECOND CONDUCTOR = 350_MCM_3CU 340 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1985	229	1.52	1,926	10,199	15,543	5.30	8.07
1986	243	1.44
1987	244	1.43	360	3,533	5,053	9.81	14.04
1988	244	1.43
1989	261	1.34
1990	274	1.27
1991	284	1.23
1992	284	1.23
1993	291	1.20	606	11,158	13,382	18.41	22.08
1994	291	1.20	1,020	1,685	2,021	1.65	1.98
1995	308	1.13
1996	313	1.12	1,587	19,961	22,257	12.58	14.02
1997	314	1.11
1998	320	1.09	405	5,207	5,679	12.86	14.02
1999	329	1.06	9,240	122,149	129,574	13.22	14.02
2000	335	1.04	16,830	226,543	236,010	13.46	14.02
2001	327	1.07	1,776	22,336	23,839	12.58	13.42
2002	343	1.02	8,370	115,356	117,374	13.78	14.02
2003	349	1.00	1,908	26,756	26,756	14.02	14.02
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TOTAL FOR 19 YEARS			44,028	564,883	597,489	12.83	13.57

HECO COST ANALYSIS FOR UG SECOND CONDUCTOR = 500_MCM_3CU 417 AMP

H-W COST INDEX			INSTALLED		REPLACED	UNIT COSTS	
YEAR	INDEX	BASE=	QUANTITY	COST	COST	INST.	REPL.
		2003	(CON FT)	(\$)	(\$)	(\$/FT)	(\$/FT)
1985	229	1.52	19,044	82,535	125,785	4.33	6.60
1986	243	1.44	4,320	8,783	12,614	2.03	2.92
1987	244	1.43	17,595	77,605	111,001	4.41	6.31
1988	244	1.43	1,620	7,555	10,806	4.66	6.67
1989	261	1.34
1990	274	1.27
1991	284	1.23	5,556	39,150	48,110	7.05	8.66
1992	284	1.23	1,320	15,992	19,652	12.12	14.89
1993	291	1.20
1994	291	1.20	1,029	220,756	264,755	214.53	257.29
1995	308	1.13
1996	313	1.12	2,220	124,776	139,127	56.21	62.67
1997	314	1.11	6,000	338,317	376,027	56.39	62.67
1998	320	1.09	4,353	250,139	272,808	57.46	62.67
1999	329	1.06	13,899	821,151	871,069	59.08	62.67
2000	335	1.04	3,960	238,223	248,179	60.16	62.67
2001	327	1.07	7,860	441,784	471,506	56.21	59.99
2002	343	1.02	7,362	453,454	461,386	61.59	62.67
2003	349	1.00	12,285	769,917	769,917	62.67	62.67
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TOTAL FOR 19 YEARS			108,423	3,890,137	4,202,744	35.88	38.76
OVERALL TOTAL			573,708	8,374,605	9,001,306	14.60	15.69

HECO: SUMMARY OF UNDERGROUND SECONDARY CONDUCTORS
COPPER CONDUCTORS
DATA PERIOD = 1985 - 2003

TYPE	SIZE (AMPS)	INSTALLED		REPLACED COST (\$)	UNIT COSTS	
		QUANTITY (CON FT)	COST (\$)		INST. (\$/FT)	REPL. (\$/FT)
#4_3/C_CU	95	153,954	1,261,918	1,322,818	8.20	8.59
#1/O_3/C_CU	167	98,361	696,439	759,365	7.08	7.72
#4/O_3/C_CU	253	168,942	1,961,228	2,118,891	11.61	12.54
350_MCM_3CU	340	44,028	564,883	597,489	12.83	13.57
500_MCM_3CU	417	108,423	3,890,137	4,202,744	35.88	38.76
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TOTALS AND AVERAGES		573,708	8,374,605	9,001,306	14.60	15.69

CUSTOMER COMPONENT, MIN. SIZE METHOD (%) = 56.15 54.76

Hawaiian Electric Company, Inc.
Docket No. 04-0113, Test-Year 2005
Minimum Size Analysis for Account 368 - Transformers
DATA PERIOD: 1985 - 2003

KVA Size	1-Phase, OH			1-Phase, PM			1-Phase			3-Phase, PM		
	No. Installed	Unit Replace Cost (\$/Trsf)	Unit Replace Cost (\$/Trsf)	No. Installed	Unit Replace Cost (\$/Trsf)	Unit Replace Cost (\$/Trsf)	Wid Unit Repl Cost (\$/Trsf)	Wid Unit Repl Cost (\$/Trsf)	Wid Unit Repl Cost (\$/Trsf)	No. Installed	Unit Replace Cost (\$/Trsf)	Unit Replace Cost (\$/Trsf)
25.0	8,125	\$2,152.93	\$4,099.05	1,818	\$4,099.05	\$2,508.76	\$2,508.76	\$2,508.76	\$2,508.76	32	\$5,639.75	\$5,639.75
37.5	3,311	\$2,477.37	\$4,276.94	3,023	\$4,276.94	\$3,336.24	\$3,336.24	\$3,336.24	\$3,336.24	74	\$4,858.58	\$4,858.58
50.0	3,998	\$2,713.58	\$4,548.86	2,577	\$4,548.86	\$3,432.90	\$3,432.90	\$3,432.90	\$3,432.90	79	\$5,078.85	\$5,078.85
75.0	929	\$3,205.52	\$4,772.59	486	\$4,772.59	\$3,743.75	\$3,743.75	\$3,743.75	\$3,743.75	420	\$10,334.52	\$10,334.52
100.0	345	\$3,847.15	\$5,800.36	140	\$5,800.36	\$4,268.70	\$4,268.70	\$4,268.70	\$4,268.70	112	\$11,770.21	\$11,770.21
112.0										485	\$11,474.26	\$11,474.26
150.0	342	\$4,520.50	\$6,215.52	52	\$6,215.52	\$4,744.21	\$4,744.21	\$4,744.21	\$4,744.21	286	\$12,516.47	\$12,516.47
187.0										360	\$14,277.76	\$14,277.76
225.0	52	\$4,913.28	\$6,271.57	121	\$6,271.57	\$6,271.57	\$6,271.57	\$6,271.57	\$6,271.57	375	\$17,184.34	\$17,184.34
250.0										178	\$23,324.86	\$23,324.86
300.0										102	\$22,005.68	\$22,005.68
333.0										100	\$24,562.93	\$24,562.93
500.0										21	\$31,210.93	\$31,210.93
750.0										23	\$31,359.76	\$31,359.76
1000.0										2,647	\$14,186.98	\$14,186.98
1500.0												
2000.0												
2500.0												
	17,223	\$2,516.44	\$4,382.10	8,096	\$4,382.10	\$3,116.20	\$3,116.20	\$3,116.20	\$3,116.20			
Customer Component, Min Size Method (%)												
							80.51%				39.75%	60.49%

The data period for

HAWAIIAN ELECTRIC COMPANY, INC.
DOCKET NO. 2006-0386, TEST-YEAR 2007
MARGINAL COST STUDY
ESTIMATED MARGINAL ENERGY COSTS BY COSTING PERIOD FOR 2007

		Priority Peak (A)	Mid-Peak (B)	Off-Peak (C)	TOTAL (D)
L1	Marginal Running Cost Excl Var O&M Expenses, ¢/kWh	10.750	10.625	9.541	10.052
L2	Variable O&M Expenses, ¢/kWh	0.42	0.42	0.42	0.42
L3 = L2 x 62.88%	A&G Loading for Var O&M, (2) x 0.6173'	0.26	0.26	0.26	0.26
L4	Incremental Cost of Fuel Stock, ¢/kWh	0.59	0.59	0.59	0.59
L5 = (L1 x 1.5%) + (L2+L3)x 6.57%	Cash Working Capital, [(2)+(3)] x 6.85% + "(1) x 6.76%	0.78	0.77	0.70	0.73
L6 = (L4 + L5) x 14.32%	Rev Reqmt For Working cash, [(4)+(5)] x 13.24%	0.18	0.18	0.17	0.18
L7 = L1 + L2 + L3 +L6	Marginal Energy Cost, ¢/kWh	11.61	11.48	10.39	10.91
	Marginal Energy Loss Factor for Service to:				
L8	Transmission	1.16322	1.16322	1.16322	1.16322
L9	Primary	1.20697	1.20697	1.20697	1.20697
L10	Secondary	1.22089	1.22089	1.22089	1.22089
	Marginal Energy Cost Including Losses to:				
L11	Transmission (7) x (8), ¢/kWh	13.51	13.36	12.09	12.69
L12	Primary (7) x (9), ¢/kWh	14.01	13.86	12.54	13.16
L13	Secondary (7) x (10), ¢/kWh	14.18	14.02	12.69	13.32

HAWAIIAN ELECTRIC COMPANY, INC.
DOCKET NO. 2006-0386, TEST-YEAR 2007

MARGINAL COST STUDY
ESTIMATED MARGINAL ENERGY COSTS BY COSTING PERIOD FOR 2008

		Priority Peak (A)	Mid-Peak (B)	Off-Peak (C)	TOTAL (D)
L1	Marginal Running Cost Excl Var O&M Expenses, ¢/kWh	10.208	10.042	8.738	9.355
L2	Variable O&M Expenses, ¢/kWh	0.42	0.42	0.42	0.42
L3 = L2 x 62.88%	A&G Loading for Var O&M, (2) x 0.6173'	0.26	0.26	0.26	0.26
L4	Incremental Cost of Fuel Stock, ¢/kWh	0.59	0.59	0.59	0.59
L5 = (L1 x 1.5%) + (L2+L3)x 6.57%	Cash Working Capital, [(2)+(3)] x 6.85% + "(1) x 6.76%	0.75	0.73	0.64	0.69
L6 = (L4 + L5) x 14.32%	Rev Reqmt For Working cash, [(4)+(5)] x 13.24%	0.18	0.18	0.16	0.17
L7 = L1 + L2 + L3 +L6	Marginal Energy Cost, ¢/kWh	11.06	10.90	9.58	10.20
	Marginal Energy Loss Factor for Service to:				
L8	Transmission	1.16322	1.16322	1.16322	1.16322
L9	Primary	1.20697	1.20697	1.20697	1.20697
L10	Secondary	1.22089	1.22089	1.22089	1.22089
	Marginal Energy Cost Including Losses to:				
L11	Transmission (7) x (8), ¢/kWh	12.87	12.68	11.14	11.87
L12	Primary (7) x (9), ¢/kWh	13.35	13.15	11.56	12.32
L13	Secondary (7) x (10), ¢/kWh	13.51	13.30	11.70	12.46

HAWAIIAN ELECTRIC COMPANY, INC.
DOCKET NO. 2006-0386, TEST-YEAR 2007
MARGINAL COST STUDY
ESTIMATED MARGINAL ENERGY COSTS BY COSTING PERIOD FOR 2009

		Priority Peak	Mid-Peak	Off-Peak	TOTAL
		(A)	(B)	(C)	(D)
L1	Marginal Running Cost Excl Var O&M Expenses, ¢/kWh	9.765	9.596	8.385	8.959
L2	Variable O&M Expenses, ¢/kWh	0.42	0.42	0.42	0.42
L3 = L2 x 62.88%	A&G Loading for Var O&M, (2) x 0.6173 ¹	0.26	0.26	0.26	0.26
L4	Incremental Cost of Fuel Stock, ¢/kWh	0.59	0.59	0.59	0.59
L5 = (L1 x 1.5%) + (L2+L3)x 6.57%	Cash Working Capital, [(2)+(3)] x 6.85% + "(1) x 6.76%	0.71	0.70	0.62	0.66
L6 = (L4 + L5) x 14.32%	Rev Reqmt For Working cash, [(4)+(5)] x 13.24%	0.17	0.17	0.16	0.17
L7 = L1 + L2 + L3 +L6	Marginal Energy Cost, ¢/kWh	10.62	10.45	9.22	9.80
	Marginal Energy Loss Factor for Service to:				
L8	Transmission	1.16322	1.16322	1.16322	1.16322
L9	Primary	1.20697	1.20697	1.20697	1.20697
L10	Secondary	1.22089	1.22089	1.22089	1.22089
	Marginal Energy Cost Including Losses to:				
L11	Transmission (7) x (8), ¢/kWh	12.35	12.15	10.73	11.40
L12	Primary (7) x (9), ¢/kWh	12.81	12.61	11.13	11.83
L13	Secondary (7) x (10), ¢/kWh	12.96	12.75	11.26	11.97

HAWAIIAN ELECTRIC COMPANY, INC.
DOCKET NO. 2006-0386, TEST-YEAR 2007
MARGINAL COST STUDY
ESTIMATED MARGINAL ENERGY COSTS BY COSTING PERIOD FOR 2010

		Priority Peak (A)	Mid-Peak (B)	Off-Peak (C)	TOTAL (D)
L1	Marginal Running Cost Excl Var O&M Expenses, ¢/kWh	9.003	8.894	7.773	8.299
L2	Variable O&M Expenses, ¢/kWh	0.42	0.42	0.42	0.42
L3 = L2 x 62.88%	A&G Loading for Var O&M, (2) x 0.6173 ¹	0.26	0.26	0.26	0.26
L4	Incremental Cost of Fuel Stock, ¢/kWh	0.59	0.59	0.59	0.59
L5 = (L1 x 1.5%) + (L2+L3)x 6.57%	Cash Working Capital, [(2)+(3)] x 6.85% + "(1) x 6.76%	0.66	0.66	0.58	0.61
L6 = (L4 + L5) x 14.32%	Rev Reqmt For Working cash, [(4)+(5)] x 13.24%	0.17	0.16	0.15	0.16
L7 = L1 + L2 + L3 +L6	Marginal Energy Cost, ¢/kWh	9.85	9.74	8.61	9.14
	Marginal Energy Loss Factor for Service to:				
L8	Transmission	1.16322	1.16322	1.16322	1.16322
L9	Primary	1.20697	1.20697	1.20697	1.20697
L10	Secondary	1.22089	1.22089	1.22089	1.22089
	Marginal Energy Cost Including Losses to:				
L11	Transmission (7) x (8), ¢/kWh	11.46	11.33	10.01	10.63
L12	Primary (7) x (9), ¢/kWh	11.89	11.75	10.39	11.03
L13	Secondary (7) x (10), ¢/kWh	12.02	11.89	10.51	11.16

HAWAIIAN ELECTRIC COMPANY, INC.
DOCKET NO. 2006-0386, TEST-YEAR 2007
MARGINAL COST STUDY
ESTIMATED MARGINAL ENERGY COSTS BY COSTING PERIOD FOR 2011

		Priority Peak (A)	Mid-Peak (B)	Off-Peak (C)	TOTAL (D)
L1	Marginal Running Cost Excl Var O&M Expenses, ¢/kWh	8.981	8.848	7.803	8.297
L2	Variable O&M Expenses, ¢/kWh	0.42	0.42	0.42	0.42
L3 = L2 x 62.88%	A&G Loading for Var O&M, (2) x 0.6173 ¹	0.26	0.26	0.26	0.26
L4	Incremental Cost of Fuel Stock, ¢/kWh	0.59	0.59	0.59	0.59
L5 = (L1 x 1.5%) + (L2+L3)x 6.57%	Cash Working Capital, [(2)+(3)] x 6.85% + "(1) x 6.76%	0.66	0.65	0.58	0.61
L6 = (L4 + L5) x 14.32%	Rev Reqmt For Working cash, [(4)+(5)] x 13.24%	0.17	0.16	0.16	0.16
L7 = L1 + L2 + L3 +L6	Marginal Energy Cost, ¢/kWh	9.83	9.69	8.64	9.14
	Marginal Energy Loss Factor for Service to:				
L8	Transmission	1.16322	1.16322	1.16322	1.16322
L9	Primary	1.20697	1.20697	1.20697	1.20697
L10	Secondary	1.22089	1.22089	1.22089	1.22089
	Marginal Energy Cost Including Losses to:				
L11	Transmission (7) x (8), ¢/kWh	11.43	11.27	10.05	10.63
L12	Primary (7) x (9), ¢/kWh	11.86	11.70	10.42	11.03
L13	Secondary (7) x (10), ¢/kWh	12.00	11.83	10.54	11.15

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>	
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>		<u>¢/kWh</u>	
NON-FUEL ENERGY CHARGE	2,128,900	7.7814	\$165,658.2		
BASE FUEL ENERGY CHARGE	2,128,900	3.5140	\$74,809.5		
SUBTOTAL			\$240,467.7		
<u>ENERGY CHARGE:</u>					
BASE FUEL ENERGY CHARGE	2,128,900			10.8940	\$231,922.4
NON-FUEL ENERGY CHARGE					
0 - 350 kWh	987,708			8.8981	87,887.2
351 - 1200 kWh	945,734			10.1951	96,418.5
Over 1200 kWh	195,458			11.0878	21,671.9
SUBTOTAL ENERGY					\$437,900.0
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/MONTH</u>		<u>\$/MONTH</u>	
1 PHASE CHARGE	3,134,056	7.00	\$21,938.4	8.00	\$25,072.4
3 PHASE CHARGE	1,568	15.00	\$23.5	17.00	\$26.7
SUBTOTAL	3,135,624		\$21,961.9		\$25,099.1
<u>ADJUSTMENTS:</u>					
SCHEDULE E ADJ.			-1081.7		528.4
MINIMUM BILL ADJ. - 1 PHASE			\$108.2		\$98.2
MINIMUM BILL ADJ. - 3 PHASE			\$0.0		\$0.1
RESIDENTIAL TOU			\$0.0		\$0.0
APARTMENT HOUSE:			(\$59.6)		(\$60.9)
SUBTOTAL			(\$1,033.1)		\$565.8
TOTAL BASE REVENUE			\$261,396.5		\$463,564.9
<u>BILL ADJUSTMENTS:</u>					
FUEL OIL ADJUSTMENT:	¢/KWH	7.299	\$155,388.4	-	\$0.0
RATE ADJUSTMENT (AES REFUND):	(%)	-0.406%	(\$1,061.5)	-	\$0.0
TOTAL REVENUES			\$415,723.4		\$463,564.9
INTERIM RATE INCREASE REVENUES			\$17,252.2		\$0.0
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$432,975.6		\$463,564.9

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 2 OF 152
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS
BY CUSTOMER GROUP

<u>RECORDED:</u>	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>
RESIDENTIAL-R 1 Phase	3,075,050	99.15	2,103,662	98.82
RESIDENTIAL-R 3 Phase	1,524	0.05	3,909	0.18
EMPLOYEES-E 1 Phase	24,961	0.80	21,219	1.00
EMPLOYEES-E 3 Phase	<u>0</u>	<u>0.00</u>	<u>0</u>	<u>0.00</u>
TOTAL R AND E	3,101,535	100.00	2,128,789	100.00
APT. HOUSE DISCOUNT	13,519	0.44	5,430	0.26

<u>FORECASTS:</u>	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
RESIDENTIAL-R 1 Phase	99.15	3,108,971	98.82	2,103,779
RESIDENTIAL-R 3 Phase	0.05	1,568	0.18	3,832
EMPLOYEES-E 1 Phase	0.80	25,085	1.00	21,289
EMPLOYEES-E 3 Phase	<u>0.00</u>	<u>0</u>	<u>0.00</u>	<u>0</u>
TOTAL R AND E	100.00	3,135,624	100.00	2,128,900
APT. HOUSE DISCOUNT	0.44	13,797	0.26	5,535

HAWAII ELECTRIC COMPANY, INC.

Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DISTRIBUTION OF SALES AND BILLS

RECORDED:	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES	PERCENT OF TOTAL
<u>Usage Per Month:</u>				
0 - 350 kWh	822,706	26.5258	181,342.7	8.5186
351 - 1200 kWh	1,893,629	61.0546	1,284,705.0	60.3491
Over 1200 kWh	385,200	12.4196	662,741.3	31.1323
TOTAL R AND E	3,101,535	100.0000	2,128,789.0	100.0000

FORECAST:	PERCENT OF TOTAL	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES
<u>Usage Per Month:</u>				
0 - 350 kWh	26.5258	831,749	8.5186	181,352
351 - 1200 kWh	61.0546	1,914,443	60.3491	1,284,772
Over 1200 kWh	12.4196	389,432	31.1323	662,776
TOTAL R AND E	100.0000	3,135,624	100.0000	2,128,900

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

<u>1 PHASE</u>	<u>PRESENT RATES</u>	<u>PROPOSED RATES</u>
MINIMUM CHRG.,\$/MO.	16.00	17.00
BASE RATE,\$/kWh	0.112954	0.197921
F.O.A.,\$/kWh	0.072990	0.000000
CUSTOMER CHRG, \$/MO	7.00	8.00
MINIMUM kWh/MONTH	48.40	45.47

<u>3 PHASE</u>		
MINIMUM CHRG.,\$/MO.	16.00	22.00
BASE RATE,\$/kWh	0.112954	0.197921
F.O.A.,\$/kWh	0.072990	0.000000
CUSTOMER CHRG, \$/MO	15.00	17.00
MINIMUM kWh/MONTH	5.38	25.26

<u>1 PHASE</u>	<u>PRESENT RATES</u>		<u>PROPOSED RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>				
TOTAL R,E 1 Phase	2,124,880	2,125,068	2,124,880	2,125,068
<= MIN.KWH 48 (45)	622	616	521	531
% OF TOTAL	0.029		0.025	

<u>NUMBER OF BILLS</u>				
TOTAL R,E 1 Phase	3,100,011	3,134,056	3,100,011	3,134,056
<= MIN.KWH 48 (45)	24,504	24,759	22,355	22,597
% OF TOTAL	0.790		0.721	

<u>3 PHASE</u>	<u>PRESENT RATES</u>		<u>PROPOSED RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>				
TOTAL R,E 3 Phase	3,909	3,832	3,909	3,832
<= MIN.KWH 5 (25)	0	0	0	0
% OF TOTAL	0.001		0.005	

<u>NUMBER OF BILLS</u>				
TOTAL R,E 3 Phase	1,524	1,568	1,524	1,568
<= MIN.KWH 5 (25)	13	13	26	27
% OF TOTAL	0.853		1.706	

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATES OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

AT PRESENT RATES

<u>1 PHASE</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000s</u>
	<u>MWH</u>	<u>c/KWh</u>	
IF NO PROVISION FOR MINIMUM CHRG.:			
BASE ENERGY CHARGE	616	11.2954	\$69.6
FUEL OIL ADJUSTMENT:	616	7.299	\$45.0
	<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE	24,759	7.00	<u>\$173.3</u>
TOTAL, No Min Chrg Provision			\$287.9
	<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE:	24,759	16.00	<u>\$396.1</u>
1 PHASE - MINIMUM BILL ADJ.			\$108.2

AT PROPOSED RATES

<u>1 PHASE</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000s</u>
	<u>MWH</u>	<u>c/KWh</u>	
IF NO PROVISION FOR MINIMUM CHRG.:			
BASE ENERGY CHARGE	531	19.7921	\$105.1
FUEL OIL ADJUSTMENT:	531	0.000	\$0.0
	<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE	22,597	8.00	<u>\$180.8</u>
TOTAL, No Min Chrg Provision			\$285.9
	<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE	22,597	17.00	<u>\$384.1</u>
1 PHASE - MINIMUM BILL ADJ.			\$98.2

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 6 OF 152

ESTIMATES OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

AT PRESENT RATES

<u>3 PHASE</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000s</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>MWH</u>	<u>c/KWh</u>	
BASE ENERGY CHARGE	-	11.2954	\$0.0
FUEL OIL ADJUSTMENT:	-	7.299	\$0.0
	<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE	13	15.00	<u>\$0.2</u>
TOTAL, No Min Chrg Provision			\$0.2
	<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE:	13	16.00	<u>\$0.2</u>
3 PHASE - MINIMUM BILL ADJ.			\$0.0

AT PROPOSED RATES

<u>3 PHASE</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000s</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>MWH</u>	<u>c/KWh</u>	
BASE ENERGY CHARGE	-	19.7921	\$0.0
FUEL OIL ADJUSTMENT:	-	0.0000	\$0.0
	<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE	27	17.00	<u>\$0.5</u>
TOTAL, No Min Chrg Provision			\$0.5
	<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE	27	22.00	<u>\$0.6</u>
3 PHASE - MINIMUM BILL ADJ.			\$0.1

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICEDISTRIBUTION OF SALES AND BILLS
FOR EMPLOYEE DISCOUNT ADJUSTMENT

RECORDED:

	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES	PERCENT OF TOTAL
<u>Usage Per Month:</u>				
0 - 350 kWh	2,456	9.8393	619.2	2.9182
351 - 825 kWh	11,664	46.7289	6,876.1	32.4055
826 - 1200 kWh	6,206	24.8628	6,167.8	29.0675
Over 1200 kWh	4,635	18.5690	7,555.8	35.6088
TOTAL E	24,961	100.0000	21,218.9	100.0000

FORECAST:

	PERCENT OF TOTAL	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES
<u>Usage Per Month:</u>				
0 - 350 kWh	9.8393	2,468	2.9182	621
351 - 825 kWh	46.7289	11,722	32.4055	6,899
826 - 1200 kWh	24.8628	6,237	29.0675	6,188
Over 1200 kWh	18.5690	4,658	35.6088	7,581
TOTAL E	100.0000	25,085	100.0000	21,289.0

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE R - RESIDENTIAL SERVICE
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONYESTIMATE OF TEST-YEAR REVENUE ADJUSTMENT
FOR EMPLOYEE DISCOUNT ADJUSTMENT

EMPLOYEE DISCOUNT	UNITS BILLED (MWH)	PRESENT RATES		PROPOSED RATES	
		UNIT PRICE \$/KWH	REVENUES \$1000s	UNIT PRICE \$/KWH	REVENUES \$1000s
<u>ENERGY CHARGE</u>					
0 - 350 kWh	621			19.7921	122.9
<u>350 - 825 KWH</u>					
First 350 kWh	4,102.7			19.7921	812.0
Remaining kWh	2,796.3			21.0891	589.7
350 - 825 KWH Total	6,899.0				1,401.7
Total	7,520.0	11.2954	849.4		1,524.6
FOA	7,520.0	7.2990	548.9	0.0000	0.0
SUBTOTAL			1,398.3		1,524.6
<u>CUSTOMER CHARGE</u>	<u>BILLS</u>				
TOTAL	14,190	7.00	99.3	8.00	113.5
			1,497.6		1,638.1
-1/3% EMP. ADJ.			(499.2)		(546.0)
EMPLOYEE DISCOUNT	UNITS BILLED (MWH)	PRESENT RATES		PROPOSED RATES	
		UNIT PRICE \$/KWH	REVENUES \$1000s	UNIT PRICE \$/KWH	REVENUES \$1000s
<u>LIMITED to 825 KWH</u>					
<u>ENERGY CHARGE</u>					
825 - 1200 KWH					
First 350 kWh	2,183.0			19.7921	432.1
kWh above 350	2,963.0			21.0891	624.9
825 - 1200 KWH Total	5,146.0				1,057.0
Over 1200 kWh					
First 350 kWh	1630.3			19.7921	322.7
kWh above 350	2212.7			21.0891	466.6
Over 1200 kWh Total	3,843.0				789.3
Total	8989	11.2954	1,015.3		1,846.3
FOA	8989	7.2990	656.1	0.0000	0.0
SUBTOTAL			1,671.4		1,846.3
<u>CUSTOMER CHARGE</u>	<u>BILLS</u>				
TOTAL	10895	7.00	76.3	8.00	87.2
			1,747.7		1,933.5
-1/3% EMP. ADJ.			(582.5)		(644.4)
TOTAL EMPLOYEE ADJ:			(1,081.7)		(1,190.4)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR APARTMENT HOUSE COLLECTION PROVISION

	<u>PRESENT RATES</u>	<u>PROPOSED RATES</u>
MAX Bill 100% Disc.,\$/MO.	50.00	50.00
BASE ENERGY ,\$/KWH	0.112954	0.197921
F.O.A., \$/KWH	0.07299	0.00000
RATE ADJUSTMENT, %	(0.00406)	0.000000
INTERIM RATE ADJUSTMENT, %	0.00000	0.000000
CUST. CHG., \$/BILL	7.00	8.00
KWH BLOCK @ MAX.DISC.	231.98	212.21

	<u>PRESENT RATES</u>		<u>PROPOSED RATES</u>	
	<u>RECORDED (MWH)</u>	<u>FORECAST (MWH)</u>	<u>RECORDED (MWH)</u>	<u>FORECAST (MWH)</u>
<u>SALES:</u>				
0-231 (212) KWH	600	611	562	573
>231 (212) KWH	<u>4,831</u>	<u>4,924</u>	<u>4,868</u>	<u>4,962</u>
TOTAL	5,430	5,535	5,430	5,535
<u>NUMBER OF BILLS:</u>				
	<u>RECORDED BILLS</u>	<u>FORECAST BILLS</u>	<u>RECORDED BILLS</u>	<u>FORECAST BILLS</u>
0-231 (212) KWH	4,715	4,812	4,540	4,633
>231 (212) KWH	<u>8,804</u>	<u>8,985</u>	<u>8,979</u>	<u>9,164</u>
TOTAL	13,519	13,797	13,519	13,797

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR APARTMENT HOUSE COLLECTION PROVISION

PRESENT RATES

	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
Apt. Bills subject to 100% of Apt. House Discount	<u>MWH</u>	<u>¢/kWh</u>	
ENERGY CHARGE	611	11.2954	\$69.0
	<u>Bills</u>	<u>\$/month</u>	
CUSTOMER CHARGE	4,812	7.00	<u>\$33.7</u>
TOTAL BASE CHARGES			<u>\$102.7</u>
FUEL OIL ADJUSTMENT:	7.299 ¢/KWH		\$44.6
RATE ADJUSTMENT (AES REFUND)	-0.406 (%)		<u>(\$0.4)</u>
TOTAL ADJUSTMENTS			<u>\$44.2</u>
TOTAL OF BILLS subject to 10% discount			\$146.9
10% APT DISC.			<u>(\$14.7)</u>
	<u>Bills</u>	<u>\$/month</u>	
Apt. House Bills subject to Maximum Discount	8,985	5.00	<u>(\$44.9)</u>
APT. HOUSE REVENUE ADJ.			<u>(\$59.6)</u>

PROPOSED RATES

	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
Apt. Bills subject to 100% of Apt. House Discount	<u>MWH</u>	<u>¢/kWh</u>	
ENERGY CHARGE	573	19.7921	\$113.4
	<u>Bills</u>	<u>\$/month</u>	
CUSTOMER CHARGE	4,633	8.00	<u>\$37.1</u>
TOTAL BASE CHARGES			<u>\$150.5</u>
FUEL OIL ADJUSTMENT:	0.000 ¢/KWH		\$0.0
RATE ADJUSTMENT (AES REFUND)	0.000 (%)		<u>\$0.0</u>
TOTAL ADJUSTMENTS			<u>\$0.0</u>
TOTAL OF BILLS subject to 10% discount			\$150.5
10% APT DISC.			<u>(\$15.1)</u>
	<u>Bills</u>	<u>\$/month</u>	
Apt. House Bills subject to Maximum Discount	9,164	5.00	<u>(\$45.8)</u>
APT. HOUSE REVENUE ADJ.			<u>(\$60.9)</u>

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>		<u>\$/month</u>		
1 PHASE - Regular	192,429	20.00	\$3,848.6	30.00	\$5,772.9	
3 PHASE - Regular	<u>119,955</u>	45.00	<u>\$5,398.0</u>	55.00	<u>\$6,597.5</u>	
SUBTOTAL	312,384		\$9,246.6		\$12,370.4	
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>		<u>¢/kWh</u>		
G: Regular NON-DEMAND	<u>371,800</u>	11.1570	<u>\$41,481.7</u>	19.9393	<u>\$74,134.3</u>	
SUBTOTAL	371,800		\$41,481.7		\$74,134.3	
<u>ADJUSTMENTS</u>		<u>Rate</u>		<u>Rate</u>		
FUEL OIL ADJUSTMENT:		7.299 ¢/KWH	\$27,137.7	- ¢/KWH	\$0.0	
RATE ADJUSTMENT (AES REFUND):		(0.406) (%)	(\$206.1)	- (%)	\$0.0	
MISCELLANEOUS **			<u>\$31.5</u>		<u>(\$80.2)</u>	
SUBTOTAL			\$26,963.1		(\$80.2)	
TOTAL REVENUES			\$77,691.4		\$86,424.5	
INTERIM RATE INCREASE REVENUES			\$3,030.4		\$0.0	
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			<u>\$80,721.8</u>		<u>\$86,424.5</u>	

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 12 OF 152
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS

	<u>RECORDED</u>	<u>FORECASTED</u>
<u>TOTAL G:</u>		
SALES, MWH	367,340.7	371,800
NO. OF BILLS	295,128	312,384

DISTRIBUTION OF SALES AND BILLS BY PHASE

	<u>MWH SALES</u>		<u>NO. OF BILLS</u>	
<u>RECORDED:</u>	<u>SALES (MWH)</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>
1 PHASE	161,553.7	44.0	181,778	61.6
3 PHASE	<u>205,787.0</u>	<u>56.0</u>	<u>113,350</u>	<u>38.4</u>
TOTAL	367,340.7	100.0	295,128	100.0
<u>FORECAST:</u>	<u>PERCENT OF TOTAL</u>	<u>SALES (MWH)</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>
1 PHASE	44.0	163,592	61.6	192,429
3 PHASE	<u>56.0</u>	<u>208,208</u>	<u>38.4</u>	<u>119,955</u>
TOTAL	100.0	371,800	100.0	312,384

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 13 OF 152
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR DISTRIBUTION PRIMARY (DP) SERVICE

	<u>AT PRESENT RATES</u>		<u>AT PROPOSED RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>				
TOTAL G:	367,341	371,800		371,800
PRIMARY SVC.	78.939	78		78
% OF TOTAL	0.021%			

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 14 OF 152
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR DISTRIBUTION SECONDARY (DS) SERVICE

	<u>AT PRESENT RATES</u>		<u>AT PROPOSED RATES</u>		
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>	
<u>SALES, MWH</u>					
TOTAL G:	367,341	371,800		371,800	
PRIMARY SVC.	13.729	15		15	
% OF TOTAL	0.004%				
	<u>PRESENT RATES</u>		<u>PROPOSED RATES</u>		
	<u>BILLING</u> <u>UNITS</u> <u>MWH</u>	<u>UNIT PRICE</u> <u>CENTS/KWH</u>	<u>REVENUES</u> <u>\$1000S</u>	<u>UNIT PRICE</u> <u>CENTS/KWH</u>	<u>REVENUES</u> <u>\$1000S</u>
ENERGY CHARGE:	15	11.1570	\$1.7	19.9393	\$3.0
		<u>% ADJ.</u>		<u>% ADJ.</u>	
DS ADJUSTMENT:		-0.7	\$0.0	-0.5	\$0.0

Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
 SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
 FOR MINIMUM CHARGE PROVISION

<u>1 PHASE</u>	<u>PRESENT RATES</u>	<u>PROPOSED RATES</u>
MINIMUM CHRG., \$/MO.	25.00	30.00
BASE RATE, \$/KWH	0.111570	0.199393
F.O.A., \$/KWH	0.072990	0.000000
CUSTOMER CHRG., \$/MO.	20.00	30.00
MINIMUM KWH/MONTH	27.09	0.00
<u>3 PHASE</u>	<u>PRESENT RATES</u>	<u>PROPOSED RATES</u>
MINIMUM CHRG., \$/MO.	45.00	55.00
BASE RATE, \$/KWH	0.11157	0.199393
F.O.A., \$/KWH	0.072990	0.000000
CUSTOMER CHRG., \$/MO.	45.00	55.00
MINIMUM KWH/MONTH	0.00	0.00

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR MINIMUM CHARGE PROVISION

	<u>PRESENT RATES</u>		<u>PROPOSED RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>				
TOTAL G	367,340.7	371,800	367,340.7	371,800
LT/EQ TO MIN. KWH				
1 PHASE	133.5		0.0	
3 PHASE	<u>0.0</u>		<u>0.0</u>	
TOTAL	133.5	134	-	-
% OF TOTAL	0.036	0.036	0.000	0.000
<u>NUMBER OF BILLS</u>				
TOTAL G	295,128	312,384	295,128	312,384
LT/EQ TO MIN. KWH				
1 PHASE	10,677	11,308	-	-
3 PHASE	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
TOTAL	10,677	11,308	-	-
% OF TOTAL	3.62	3.62	0.00	0.00

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>		
	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>MWH</u>	<u>\$/kWh</u>		<u>MWH</u>	<u>\$/kWh</u>	
ENERGY CHARGE:	134	11.1570	\$15.0	-	19.9393	\$0.0
FUEL OIL ADJUSTMENT	134	7.299	<u>\$9.8</u>	-	0.000	<u>\$0.0</u>
SUBTOTAL			\$24.8			\$0.0
	<u>BILLS</u>	<u>\$/MONTH</u>		<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE						
1 PHASE	11,308	20.00	\$226.2	-	30.00	\$0.0
3 PHASE	-	45.00	<u>\$0.0</u>	-	55.00	<u>\$0.0</u>
SUBTOTAL	11,308		<u>\$226.2</u>	-		<u>\$0.0</u>
Total Billed w/o Min Charge			<u>\$251.0</u>			<u>\$0.0</u>
	<u>BILLS</u>	<u>\$/MONTH</u>		<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE:						
1 PHASE	11,308	25.00	\$282.7	-	30.00	\$0.0
3 PHASE	-	45.00	<u>\$0.0</u>	-	55.00	<u>\$0.0</u>
Total Billed with Min Charge			<u>\$282.7</u>			<u>\$0.0</u>
MINIMUM BILL ADJUSTMENT			\$31.7			\$0.0

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Estimate of Test Year Revenues

	PRESENT RATES			PROPOSED RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>		<u>(MWH)</u>	<u>c/kWh</u>	
0 - 200 KWH/KW	1,198,252	8.6900	\$104,128.1	1,217,611	15.7410	\$191,664.1
201 - 400 KWH/KW	697,152	7.5419	\$52,578.5	666,263	14.5929	\$97,227.1
> 400 KWH/KW	173,396	6.5130	\$11,293.3	184,926	13.5639	\$25,083.2
TOTAL	2,068,800		\$167,999.9	2,068,800		\$313,974.4
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/kW</u>		<u>kW</u>	<u>\$/kW</u>	
ALL BILLING KW	6,609,417	5.75	\$38,004.1	6,875,614	12.00	\$82,507.4
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>		<u>BILLS</u>	<u>\$/month</u>	
1 PHASE	6,621	35.00	\$231.7	6,621	50.00	\$331.1
3 PHASE	74,319	60.00	\$4,459.1	74,319	70.00	\$5,202.3
SUBTOTAL	80,940		\$4,690.8	80,940		\$5,533.4
ADJUSTMENTS:						
MISCELLANEOUS **			(\$1,924.0)			(\$3,427.5)
Fuel Oil Adjustment	c/kWh	7.299	\$151,001.7	-		\$0.0
Rate Adjustment (AES Refund)	%	-0.406%	(\$847.6)	-		\$0.0
TOTAL REVENUE			\$358,924.9			\$398,587.7
INTERIM RATE INCREASE REVENUES			\$13,361.3			\$0.0
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$372,286.2			\$398,587.7

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 19 OF 152

Determination of Billing Loads By Service Phase

	MWH SALES		NO. OF BILLS	
	SALES (MWH)	PERCENT OF TOTAL	NUMBER OF BILLS	PERCENT OF TOTAL
<u>RECORDED:</u>				
1 PHASE	58,636.1	2.93	6,436	8.18
3 PHASE	1,941,395.1	97.07	72,287	91.82
TOTAL	<u>2,000,031.2</u>	<u>100.00</u>	<u>78,723</u>	<u>100.00</u>
	PERCENT OF TOTAL	SALES (MWH)	PERCENT OF TOTAL	NUMBER OF BILLS
<u>FORECAST:</u>				
1 PHASE	2.93	60,616	8.18	6,621
3 PHASE	97.07	2,008,184	91.82	74,319
TOTAL	<u>100.00</u>	<u>2,068,800</u>	<u>100.00</u>	<u>80,940</u>

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 20 OF 152

Determination of TY Billing Loads For TP Voltage Service

	AT PRESENT RATES		AT PROPOSED RATES	
	Recorded	Forecast	Recorded	Forecast
<u>Sales (MWH):</u>				
TOTAL SCHEDULE J:	2,000,031.2	2,068,800		2,068,800
TP Voltage Service	11,554.8	11,999		11,999
PERCENT OF TOTAL	0.58			
<u>Number Of Bills:</u>				
TOTAL SCHEDULE J:	78,723	80,940		80,940
TP Voltage Service	18	16		16
PERCENT OF TOTAL	0.02			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 21 OF 152

Determination of Billing Loads By Rate Block For TP Voltage Service

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	10,370.7	89.75	17	94.44
201 - 400 KWH/KW	1,184.1	10.25	1	5.56
> 400 KWH/KW	-	0.00	-	0.00
TOTAL	11,554.8	100.00	18	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	89.75	10,769	94.44	15
201 - 400 KWH/KW	10.25	1,230	5.56	1
> 400 KWH/KW	0.00	0	0.00	-
TOTAL	100.00	11,999	100.00	16

AT PROPOSED RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	10,370.7	89.75	17	94.44
201 - 400 KWH/KW	1,184.1	10.25	1	5.56
> 400 KWH/KW	-	0.00	-	0.00
TOTAL	11,554.8	100.00	18	100.00

FORECAST AT PROPOSED RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	89.75	10,769	94.44	15
201 - 400 KWH/KW	10.25	1,230	5.56	1
> 400 KWH/KW	0.00	0	0.00	-
TOTAL	100.00	11,999	100.00	16

Determination of Billing Loads By Rate Block For TP Voltage Service

At Present Rates	RECORDED		KW FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	250,148.2	41.46	259,744	259,744
201 - 400 KWH/KW	4,995.8	237.02	5,189	5,189
> 400 KWH/KW	0.0	0.00	0	0
TOTAL	255,144.0	45.29	264,933	264,933

At Proposed Rates	RECORDED		KW FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	122,546.4	84.63	127,248	127,248
201 - 400 KWH/KW	-	0.00	0	0
> 400 KWH/KW	0.0	0.00	0	0
TOTAL	122,546.4	0.00	127,248	127,248

Determination of Billing Loads By Rate Block For TP Voltage Service

AT PRESENT RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
LOAD FACTOR BLOCK:				
0 - 200 KWH/KW	10,769	1,038	0	11,807
201 - 400 KWH/KW	0	192	0	192
> 400 KWH/KW	0	0	0	0
TOTAL	10,769	1,230	0	11,999

FORECAST AT PRESENT RATES:

SALES-MWH	10,769	1,230	0	11,999
BILLS	15	1	0	16
KW, BILLED	259,744	5,189	0	264,933

AT PROPOSED RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
LOAD FACTOR BLOCK				
0 - 200 KWH/KW	10,769	0	0	10,769
201 - 400 KWH/KW	0	0	0	0
> 400 KWH/KW	0	1230	0	1,230
TOTAL	10,769	1,230	0	11,999

FORECAST AT PROPOSED RATES:

SALES-MWH	10,769	1,230	-	11,999
BILLS	15	1	-	16
KW, BILLED	127,248	-	-	127,248

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 24 OF 152

Determination of TY Revenues For TP Voltage Service

	PRESENT RATES			PROPOSED RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>			<u>¢/kWh</u>	
0 - 200 KWH/KW	11,807	8.6900	\$1,026.0	10,769	15.7410	\$1,695.1
201 - 400 KWH/KW	192	7.5419	\$14.5	-	14.5929	\$0.0
> 400 KWH/KW	-	6.5130	\$0.0	1,230	13.5639	\$166.8
TOTAL	11,999		\$1,040.5	11,999		\$1,861.9
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>			<u>\$/KW</u>	
	264,933	5.75	\$1,523.4	127,248	12.00	\$1,527.0
TOTAL			\$2,563.9			\$3,388.9
		<u>% ADJ.</u>			<u>% ADJ.</u>	
TP Voltage Adj		-3.3	(\$84.6)		-2.9	(\$98.3)

Determination of TY Billing Loads For TS Voltage Service

	AT PRESENT RATES		AT PROPOSED RATES	
	Recorded	Forecast	Recorded	Forecast
<u>Sales (MWH):</u>				
TOTAL SCHEDULE J:	2,000,031.2	2,068,800		2,068,800
TS Voltage Service	764.4	828		828
PERCENT OF TOTAL	0.04			
<u>Number Of Bills:</u>				
TOTAL SCHEDULE J:	78,723	80,940		80,940
TS Voltage Service	14	16		16
PERCENT OF TOTAL	0.02			

Determination of Billing Loads By Rate Block For TS Voltage Service

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	585.4	76.58	9	64.29
201 - 400 KWH/KW	18.5	2.42	2	14.29
> 400 KWH/KW	160.5	21.00	3	21.42
TOTAL	764.4	100.00	14	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	76.58	634	64.29	10
201 - 400 KWH/KW	2.42	20	14.29	2
> 400 KWH/KW	21.00	174	21.42	4
TOTAL	100.00	828	100.00	16

AT PROPOSED RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	143.3	18.75	8	57.14
201 - 400 KWH/KW	13.6	1.78	2	14.29
> 400 KWH/KW	607.5	79.47	4	28.57
TOTAL	764.4	100.00	14	100.00

FORECAST AT PROPOSED RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	18.75	155	57.14	9
201 - 400 KWH/KW	1.78	15	14.29	2
> 400 KWH/KW	79.47	658	28.57	5
TOTAL	100.00	828	100.00	16

Determination of Billing Loads By Rate Block For TS Voltage Service

AT PRESENT RATES	RECORDED		KW FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	18,204.7	32.16	19,714	4,820
201 - 400 KWH/KW	51.2	361.33	55	42
> 400 KWH/KW	72.5	2,213.79	79	297
TOTAL	18,328.4	41.71	19,848	5,159

AT PROPOSED RATES	RECORDED		KW FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	6,991.0	20.50	30,928	7,562
201 - 400 KWH/KW	50.0	272.00	74	55
> 400 KWH/KW	100.0	6,075.00	29	108
TOTAL	7,141.0	107.04	31,031	7,725

Determination of Billing Loads By Rate Block For TS Voltage Service

AT PRESENT RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	634	11	16	661
201 - 400 KWH/KW	0	9	16	25
> 400 KWH/KW	0	0	142	142
TOTAL	634	20	174	828

FORECAST AT PRESENT RATES:

SALES-MWH	634	20	174	828
BILLS	10	2	4	16
KW, BILLED	19,714	55	79	19,848

AT PROPOSED RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK</u>				
0 - 200 KWH/KW	155	11	22	188
201 - 400 KWH/KW	0	4	22	26
> 400 KWH/KW	0	0	614	614
TOTAL	155	15	658	828

FORECAST AT PROPOSED RATES:

SALES-MWH	155	15	658	828
BILLS	9	2	5	16
KW, BILLED	7,562	55	108	7,725

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 29 OF 152

Determination of TY Revenues For TS Voltage Service

	PRESENT RATES			PROPOSED RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>			<u>¢/kWh</u>	
0 - 200 KWH/KW	661	8.6900	\$57.4	188	15.7410	\$29.6
201 - 400 KWH/KW	25	7.5419	\$1.9	26	14.5929	\$3.8
> 400 KWH/KW	142	6.5130	\$9.2	614	13.5639	\$83.3
TOTAL	828		\$68.5	828		\$116.7
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>			<u>\$/KW</u>	
	19,848	5.75	\$114.1	7,725	12.00	\$92.7
TOTAL			\$182.6			\$209.4
		<u>% ADJ.</u>			<u>% ADJ.</u>	
TS Voltage Adj		-2.4	(\$4.4)		-2.4	(\$5.0)

Determination of TY Billing Loads For Primary Voltage Service

	AT PRESENT RATES		AT PROPOSED RATES	
	Recorded	Forecast	Recorded	Forecast
<u>Sales (MWH):</u>				
TOTAL SCHEDULE J:	2,000,031.2	2,068,800		2,068,800
Primary Voltage Service	199,860.2	206,673		206,673
PERCENT OF TOTAL	9.99			
<u>Number Of Bills:</u>				
TOTAL SCHEDULE J:	78,723	80,940		80,940
Primary Voltage Service	1,500	1,546		1,546
PERCENT OF TOTAL	1.91			

Determination of Billing Loads By Rate Block For Primary Voltage Service

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	31,917.3	15.97	229	15.27
201 - 400 KWH/KW	101,313.8	50.69	771	51.40
> 400 KWH/KW	66,629.1	33.34	500	33.33
TOTAL	199,860.2	100.00	1,500	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	15.97	33,006	15.27	236
201 - 400 KWH/KW	50.69	104,763	51.40	795
> 400 KWH/KW	33.34	68,904	33.33	515
TOTAL	100.00	206,673	100.00	1,546

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage Service

	RECORDED		KW FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	244,543.4	130.52	252,881	192,816
201 - 400 KWH/KW	338,600.7	299.21	350,132	249,893
> 400 KWH/KW	133,578.2	498.80	138,140	78,362
TOTAL	716,722.3	278.85	741,153	521,071

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 33 OF 152

Determination of Billing Loads By Rate Block For Primary Voltage Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT PRESENT RATES

SALES		NUMBER OF BILLS	
MWH	% OF TOTAL	BILLS	% OF TOTAL

RECORDED:

0 - 200 KWH/KW	22,989.7	21.52	174	14.80	22,989.7	174
201 - 400 KWH/KW	87,653.5	82.04	629	53.49	110,643.2	803
> 400 KWH/KW	(3,794.5)	(3.55)	373	31.71		
TOTAL	106,848.7	100.01	1,176	100.00	106,848.7	1,176

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	21.52	44,476	14.80	229
201 - 400 KWH/KW	82.04	169,555	53.49	827
> 400 KWH/KW	(3.55)	(7,358)	31.71	490
TOTAL	100.01	206,673	100.00	1,546

AT PROPOSED RATES

SALES		NUMBER OF BILLS	
MWH	% OF TOTAL	BILLS	% OF TOTAL

RECORDED:

0 - 200 KWH/KW	25,586.8	15.91	192	16.33	25,586.8	192
201 - 400 KWH/KW	92,755.5	57.67	663	56.38	118,342.3	855
> 400 KWH/KW	42,506.4	26.43	321	27.29		
TOTAL	160,848.7	100.01	1,176	100.00	160,848.7	1,176

FORECAST AT PROPOSED RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	15.91	32,882	16.33	252
201 - 400 KWH/KW	57.67	119,188	56.38	872
> 400 KWH/KW	26.43	54,603	27.29	422
TOTAL	100.01	206,673	100.00	1,546

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 34 OF 152

Determination of Billing Loads By Rate Block For Primary Voltage Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT PRESENT RATES	RECORDED		KW FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	143,090.5	160.67	276,816	143,090.5
201 - 400 KWH/KW	297,795.5	294.34	576,052	440,886.0
> 400 KWH/KW	103,636.0	(36.61)	200,983	
TOTAL	544,522.0	196.22	1,053,851	544,522.0
AT PROPOSED RATES	RECORDED		KW FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	164,240.1	155.79		211,066 164,240.1
201 - 400 KWH/KW	319,955.1	289.90		411,135 484,195.2
> 400 KWH/KW	88,752.9	478.93		114,010
TOTAL	572,948.1	280.74		736,211 572,948.1

Determination of Billing Loads By Rate Block For Primary Voltage Service

AT PRESENT RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
LOAD FACTOR BLOCK:				
0 - 200 KWH/KW	33,006	70,026	27,628	130,660
201 - 400 KWH/KW	0	34,737	27,628	62,365
> 400 KWH/KW	0	0	13,648	13,648
TOTAL	33,006	104,763	68,904	206,673

FORECAST AT PRESENT RATES:

SALES-MWH	33,006	104,763	68,904	206,673
BILLS	236	795	515	1,546
KW, BILLED	252,881	350,132	138,140	741,153

AT PROPOSED RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
LOAD FACTOR BLOCK				
0 - 200 KWH/KW	32,882	49,979	15,672	98,533
201 - 400 KWH/KW	0	49,979	15,672	65,651
> 400 KWH/KW	0	19,230	23,259	42,489
TOTAL	32,882	119,188	54,603	206,673

FORECAST AT PROPOSED RATES:

SALES-MWH	32,882	119,188	54,603	206,673
BILLS	252	872	422	1,546
KW, BILLED	192,816	249,893	78,362	521,071

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 36 OF 152

Determination of TY Revenues For Primary Voltage Service

	PRESENT RATES			PROPOSED RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>		<u>MWH</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	130,660	8.6900	\$11,354.4	98,533	15.7410	\$15,510.1
201 - 400 KWH/KW	62,365	7.5419	\$4,703.5	65,651	14.5929	\$9,580.4
> 400 KWH/KW	13,648	6.5130	\$888.9	42,489	13.5639	\$5,763.2
TOTAL	206,673		\$16,946.8	206,673		\$30,853.7
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>		<u>kW</u>	<u>\$/KW</u>	
	741,153	5.75	\$4,261.6	521,071	12.00	\$6,252.9
TOTAL			\$21,208.4			\$37,106.6
		<u>% ADJ.</u>			<u>% ADJ.</u>	
DP Voltage Adjustment		-1.9	(\$403.0)		-2.1	(\$779.2)

Determination of TY Billing Loads For Primary Voltage, Secondary Metering Service

	AT PRESENT RATES		AT PROPOSED RATES	
	RECORDED	FORECAST	RECORDED	FORECAST
<u>SALES, MWH:</u>				
TOTAL J:	2,000,031.2	2,068,800		2,068,800
Secondary Metering Adj.	20,481.8	21,102		21,102
PERCENT OF TOTAL	1.02			
<u>NUMBER OF BILLS:</u>				
TOTAL J:	78,723	80,940		80,940
Secondary Metering Adj.	256	267		267
PERCENT OF TOTAL	0.33			

Billing Loads By Rate Block For Primary Voltage, Secondary Metering Service

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	601.2	2.94	19	7.42
201 - 400 KWH/KW	11,259.9	54.98	146	57.03
> 400 KWH/KW	8,620.7	42.09	91	35.55
TOTAL	20,481.8	100.01	256	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	2.94	620	7.42	20
201 - 400 KWH/KW	54.98	11,602	57.03	152
> 400 KWH/KW	42.09	8,880	35.55	95
TOTAL	100.01	21,102	100.00	267

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 39 OF 152

Determination of Billing Loads By Rate Block For Secondary Voltage Service

	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	3,873.1	155.22	3,994	4,271
201 - 400 KWH/KW	37,439.5	300.75	38,577	43,189
> 400 KWH/KW	17,019.4	506.52	17,531	15,420
TOTAL	58,332.0	351.12	60,102	62,880

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 40 OF 152

Determination of Billing Loads By Rate Block For Primary Voltage, Secondary Metering Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	421.6	2.44	8	3.70
201 - 400 KWH/KW	8,691.4	50.26	122	56.48
> 400 KWH/KW	8,178.5	47.30	86	39.82
TOTAL	17,291.5	100.00	216	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	2.44	515	3.70	10
201 - 400 KWH/KW	50.26	10,606	56.48	151
> 400 KWH/KW	47.30	9,981	39.82	106
TOTAL	100.00	21,102	100.00	267

AT PROPOSED RATES

AT PROPOSED RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	451.8	2.61	10	4.64
201 - 400 KWH/KW	9,701.6	56.11	127	58.80
> 400 KWH/KW	7,138.1	41.28	79	36.57
TOTAL	17,291.5	100.00	216	100.01

FORECAST AT PROPOSED RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	2.61	551	4.64	12
201 - 400 KWH/KW	56.11	11,840	58.80	157
> 400 KWH/KW	41.28	8,711	36.57	98
TOTAL	100.00	21,102	100.01	267

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 41 OF 152

Determination of Billing Loads By Rate Block For Secondary Voltage Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

At PRESENT RATES	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	2,526.6	166.86	3,086	
201 - 400 KWH/KW	29,687.9	292.76	36,228	
> 400 KWH/KW	15,828.6	516.69	19,317	
TOTAL	48,043.1	359.92	58,631	

At PROPOSED RATES	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	2,705.5	166.99		3,300
201 - 400 KWH/KW	33,234.2	291.92		40,559
> 400 KWH/KW	13,923.4	512.67		16,991
TOTAL	49,863.1	346.78		60,850

Determination of Billing Loads By Rate Block For Primary Voltage, Secondary Metering Service

PRESENT RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	620	7,715	3,506	11,841
201 - 400 KWH/KW	0	3,887	3,506	7,393
> 400 KWH/KW	0	0	1,868	1,868
TOTAL	620	11,602	8,880	21,102

FORECAST AT PRESENT RATES:

SALES-MWH	620	11,602	8,880	21,102
BILLS	20	152	95	267
KW, BILLED	3,994	38,577	17,531	60,102

PROPOSED RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	551	8,638	3,084	12,273
201 - 400 KWH/KW	0	3,202	3,084	6,286
> 400 KWH/KW	0	0	2,543	2,543
TOTAL	551	11,840	8,711	21,102

FORECAST AT PROPOSED RATES:

SALES-MWH	551	11,840	8,711	21,102
BILLS	12	157	98	267
KW, BILLED	4,271	43,189	15,420	62,880

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Revenues For Primary Voltage, Secondary Metering Service

	PRESENT RATES			PROPOSED RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>		<u>MWH</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	11,841	8.6900	\$1,029.0	12,273	15.7410	\$1,931.9
201 - 400 KWH/KW	7,393	7.5419	\$557.6	6,286	14.5929	\$917.3
> 400 KWH/KW	1,868	6.5130	\$121.7	2,543	13.5639	\$344.9
TOTAL	21,102		\$1,708.3	21,102		\$3,194.1
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>		<u>kW</u>	<u>\$/KW</u>	
	60,102	5.75	\$345.6	62,880	12.00	\$754.6
Energy & Demand			\$2,053.9			\$3,948.7
		<u>% Adj.</u>			<u>% Adj.</u>	
DS Voltage Adjustment		(0.7)	(\$14.4)		(0.5)	(\$19.7)

Determination of TY Billing Loads For Network Service

	<u>AT PRESENT RATES</u>		<u>AT PROPOSED RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH:</u>				
TOTAL J:	-	-	2,000,031.2	2,068,800
Network Service	-	-	54,147.3	56,064
PERCENT OF TOTAL			2.71	
<u>NUMBER OF BILLS:</u>				
TOTAL J:	-	-	78,723	80,940
Network Service	-	-	1,832	1,886
PERCENT OF TOTAL			2.33	

Determination of Billing Loads By Rate Block For Network Service

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	-			
201 - 400 KWH/KW	-			
> 400 KWH/KW	-			
TOTAL	-	0.00		0.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	0.00	0	0.00	0
201 - 400 KWH/KW	0.00	0	0.00	0
> 400 KWH/KW	0.00	0	0.00	0
TOTAL	0.00	0	0.00	0

AT PROPOSED RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	1,802.3	3.33	232	12.66
201 - 400 KWH/KW	45,126.7	83.34	1,422	77.62
> 400 KWH/KW	7,218.3	13.33	178	9.72
TOTAL	54,147.3	100.00	1832	100.00

FORECAST AT PROPOSED RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	3.33	1,866	12.66	239
201 - 400 KWH/KW	83.34	46,724	77.62	1,464
> 400 KWH/KW	13.33	7,474	9.72	183
TOTAL	100.00	56,064	100.00	1,886

Determination of Billing Loads By Rate Block For Network Service

At PRESENT RATES	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	-			
201 - 400 KWH/KW	-			
> 400 KWH/KW	-			
TOTAL	-		-	-

At PROPOSED RATES	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	11,021.5	163.53	-	11,411
201 - 400 KWH/KW	143,393.5	314.71	-	148,467
> 400 KWH/KW	15,400.3	468.71	-	15,946
TOTAL	169,815.3	318.86	-	175,824

Determination of Billing Loads By Rate Block For Network Service

PRESENT RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	0	0	0	0
201 - 400 KWH/KW	0	0	0	0
> 400 KWH/KW	0	0	0	0
TOTAL	0	0	0	0

FORECAST AT PRESENT RATES:

SALES-MWH	0	0	0	0
BILLS	0	0	0	0
KW, BILLED	0	0	0	0

PROPOSED RATES				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	1,866	29,693	3,189	34,748
201 - 400 KWH/KW	0	17,031	3,189	20,220
> 400 KWH/KW	0	0	1,096	1,096
TOTAL	1,866	46,724	7,474	56,064

FORECAST AT PROPOSED RATES:

SALES-MWH	1,866	46,724	7,474	56,064
BILLS	239	1,464	183	1,886
KW, BILLED	11,411	148,467	15,946	175,824

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 48 OF 152

Determination of TY Revenues For Network Service

	PRESENT RATES			PROPOSED RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>		<u>MWH</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	0	8.6900	-	34,748	15.7410	\$5,469.7
201 - 400 KWH/KW	0	7.5419	-	20,220	14.5929	\$2,950.7
> 400 KWH/KW	0	6.5130	-	1,096	13.5639	\$148.7
TOTAL	0		-	56,064		\$8,569.1
	<u>kW</u>	<u>\$/kW</u>		<u>kW</u>	<u>\$/kW</u>	
<u>DEMAND CHARGE:</u>	0	5.75	-	175,824	12.00	\$2,109.9
Energy & Demand			-			\$10,679.0
		<u>% Adj.</u>			<u>% Adj.</u>	
Network Service Adj		0.0	-		0.9	\$96.1

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Total J

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	155,921.0	7.80	12,540.0	15.93
201 - 400 KWH/KW	944,310.2	47.21	45,831.0	58.22
> 400 KWH/KW	899,800.0	44.99	20,352.0	25.85
TOTAL	2,000,031.2	100.00	78,723	100.00
<u>FORECAST:</u>				
	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	7.80	161,366	15.93	12,894
201 - 200 KWH/KW	47.21	976,680	58.22	47,123
> 400 KWH/KW	44.99	930,754	25.85	20,923
TOTAL	100.00	2,068,800	100.00	80,940

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Total J

LOAD FACTOR BLOCKS:	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
0 - 200 KWH/KW	1,376,872.3	113.24	1,424,991	1,590,254
201 - 400 KWH/KW	3,181,981.3	296.77	3,291,033	3,546,991
> 400 KWH/KW	1,830,419.2	491.58	1,893,393	1,738,369
TOTAL	6,389,272.8	313.03	6,609,417	6,875,614

Determination of Billing Loads By Rate Block For Total J

PRESENT RATES				
LOAD FACTOR BLOCK (KWH/KW)				
<u>LOAD FACTOR BLOCK:</u>	<u>0 - 200</u>	<u>201 - 400</u>	<u>> 400</u>	<u>TOTAL</u>
0 - 200 KWH/KW	161,366	658,207	378,679	1,198,252
201 - 400 KWH/KW	0	318,473	378,679	697,152
> 400 KWH/KW	0	0	173,396	173,396
TOTAL	161,366	976,680	930,754	2,068,800

FORECAST AT PRESENT RATES:

SALES - MWH	161,366	976,680	930,754	2,068,800
BILLS	12,894	47,123	20,923	80,940
KW, BILLED	1,424,991	3,291,033	1,893,393	6,609,417

PROPOSED RATES				
LOAD FACTOR BLOCK (KWH/KW)				
<u>LOAD FACTOR BLOCK:</u>	<u>0 - 200</u>	<u>201 - 400</u>	<u>> 400</u>	<u>TOTAL</u>
0 - 200 KWH/KW	160,539	709,398	347,674	1,217,611
201 - 400 KWH/KW	0	318,589	347,674	666,263
> 400 KWH/KW	0	0	184,926	184,926
TOTAL	160,539	1,027,987	880,274	2,068,800

FORECAST AT PROPOSED RATES:

SALES - MWH	160,539	1,027,987	880,274	2,068,800
BILLS	11,866	48,402	20,672	80,940
KW, BILLED	1,590,254	3,546,991	1,738,369	6,875,614

Determination of Billing Loads By Rate Block For Total J

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	116,367.1	6.59	8,502	12.90
201 - 400 KWH/KW	816,327.0	46.25	461,461	700.07
> 400 KWH/KW	832,289.6	47.16	(404,047)	(612.97)
TOTAL	1,764,983.7	100.00	65,916	100.00

<u>FORECAST:</u>	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	6.59	136,334	12.90	10,441
201 - 200 KWH/KW	46.25	956,820	700.07	566,637
> 400 KWH/KW	47.16	975,646	(612.97)	(496,138)
TOTAL	100.00	2,068,800	100.00	80,940

AT PROPOSED RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	136,979.5	7.76	9,663	14.66
201 - 400 KWH/KW	876,932.9	49.69	39,417	59.80
> 400 KWH/KW	751,071.3	42.55	16,836	25.54
TOTAL	1,764,983.7	100.00	65,916	100.00

<u>FORECAST:</u>	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	7.76	160,539	14.66	11,866
201 - 200 KWH/KW	49.69	1,027,987	59.80	48,402
> 400 KWH/KW	42.55	880,274	25.54	20,672
TOTAL	100.00	2,068,800	100.00	80,940

Determination of Billing Loads By Rate Block For Total J

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT PRESENT RATES	RECORDED		FORECAST	
<u>LOAD FACTOR BLOCKS:</u>	<u>KW</u>	<u>KWH/KW</u>	<u>PRESENT</u>	<u>PROPOSED</u>
0 - 200 KWH/KW	1,052,393.5	110.57	1,233,011	
201 - 400 KWH/KW	2,736,257.6	298.34	3,207,146	
> 400 KWH/KW	1,679,323.4	495.61	1,968,576	
TOTAL	5,467,974.5	322.79	6,408,733	

AT PROPOSED RATES	RECORDED		FORECAST	
<u>LOAD FACTOR BLOCKS:</u>	<u>KW</u>	<u>KWH/KW</u>	<u>PRESENT</u>	<u>PROPOSED</u>
0 - 200 KWH/KW	1,174,093.3	116.67		1,376,009
201 - 400 KWH/KW	2,948,688.1	297.40		3,456,580
> 400 KWH/KW	1,542,105.9	487.04		1,807,396
TOTAL	5,664,887.3	311.57		6,639,985

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For kWh > 200

AT PRESENT RATES	SALES		NUMBER OF BILLS	
RECORDED:	MWH	¢/kWh	MWH	¢/kWh
0 - 200 KWH/KW	63,951.9	8.67	686	12.08
201 - 400 KWH/KW	362,776.9	49.16	2,861	50.36
> 400 KWH/KW	311,293.7	42.17	2,134	37.56
TOTAL	738,022.5	100.00	5,681	100.00

FORECAST:	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	8.67	66,187	12.08	706
201 - 400 KWH/KW	49.16	375,287	50.36	2,942
> 400 KWH/KW	42.17	321,925	37.56	2,193
TOTAL	100.00	763,399	100.00	5,841

AT PROPOSED RATES
Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

	SALES		NUMBER OF BILLS	
RECORDED:	MWH	% OF TOTAL	BILLS	% OF TOTAL
0 - 200 KWH/KW	62,180.8	10.66	650	14.19
201 - 400 KWH/KW	296,821.5	50.91	2,388	52.13
> 400 KWH/KW	224,077.3	38.43	1,543	33.68
TOTAL	583,079.6	100.00	4,581	100.00

FORECAST:	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	10.66	81,378	14.19	829
201 - 400 KWH/KW	50.91	388,646	52.13	3,045
> 400 KWH/KW	38.43	293,375	33.68	1,967
TOTAL	100.00	763,399	100.00	5,841

	RECORDED		FORECAST	
LOAD FACTOR BLOCKS:	KW	KWH/KW	PRESENT	PROPOSED
0 - 200 KWH/KW	683,528.3	93.56	707,428	763,806
201 - 400 KWH/KW	1,204,078.5	301.29	1,245,601	1,349,935
> 400 KWH/KW	626,856.4	496.59	648,271	590,610
TOTAL	2,514,463.2	293.51	2,601,300	2,704,351

AT PRESENT RATES	LOAD FACTOR BLOCK (KWH/KW)			
LOAD FACTOR BLOCK:	0 - 200	201 - 400	> 400	TOTAL
0 - 200 KWH/KW	66,187	249,120	129,654	444,961
201 - 400 KWH/KW	0	126,167	129,654	255,821
> 400 KWH/KW	0	0	62,617	62,617
TOTAL	66,187	375,287	321,925	763,399

AT PROPOSED RATES	LOAD FACTOR BLOCK (KWH/KW)			
LOAD FACTOR BLOCK:	0 - 200	201 - 400	> 400	TOTAL
0 - 200 KWH/KW	81,378	269,987	118,122	469,487
201 - 400 KWH/KW	0	118,659	118,122	236,781
> 400 KWH/KW	0	0	57,131	57,131
TOTAL	81,378	388,646	293,375	763,399

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For kWm > 200

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT PRESENT RATES		SALES		NUMBER OF BILLS	
		MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>					
0 - 200 KWH/KW		48,140.1	7.58	477	10.18
201 - 400 KWH/KW		313,609.5	49.35	2,363	50.43
> 400 KWH/KW		273,717.4	43.07	1,846	39.39
TOTAL		635,467.0	100.00	4,686	100.00
<u>FORECAST:</u>		% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW		7.58	49,825	10.18	490
201 - 200 KWH/KW		49.35	324,386	50.43	2,430
> 400 KWH/KW		43.07	283,106	39.39	1,898
TOTAL		100.00	657,317	100.00	4,818
AT PROPOSED RATES		SALES		NUMBER OF BILLS	
		MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>					
0 - 200 KWH/KW		54,325.4	8.55	556	11.87
201 - 400 KWH/KW		335,983.6	52.87	2,484	53.01
> 400 KWH/KW		245,158.1	38.58	1,646	35.12
TOTAL		635,467.0	100.00	4,686	100.00
<u>FORECAST:</u>		% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW		8.55	56,201	11.87	572
201 - 200 KWH/KW		52.87	347,523	53.01	2,554
> 400 KWH/KW		38.58	253,593	35.12	1,692
TOTAL		100.00	657,317	100.00	4,818
AT PRESENT RATES		RECORDED		FORECAST	
<u>LOAD FACTOR BLOCKS:</u>		KW	KWH/KW	PRESENT	PROPOSED
0 - 200 KWH/KW		517,422.2	93.04	535,522	
201 - 400 KWH/KW		1,034,073.6	303.28	1,069,592	
> 400 KWH/KW		545,324.1	501.94	564,024	
TOTAL		2,096,819.9	303.06	2,169,138	
AT PROPOSED RATES		RECORDED		FORECAST	
<u>LOAD FACTOR BLOCKS:</u>		KW	KWH/KW	PRESENT	PROPOSED
0 - 200 KWH/KW		558,899.3	97.20		578,200
201 - 400 KWH/KW		1,120,688.3	299.80		1,159,183
> 400 KWH/KW		496,765.6	493.51		513,856
TOTAL		2,176,353.2	291.99		2,251,239

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 56 OF 152

Revenues for Power Factor Adjustment for Billing Loads By Rate Block For kWm > 200

	PRESENT RATES			PROPOSED RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>c/kWh</u>		<u>MWH</u>	<u>c/kWh</u>	
0 - 200 KWH/KW	444,961	8.6900	\$38,667.1	469,487	15.7410	\$73,901.9
201 - 400 KWH/KW	255,821	7.5419	\$19,293.8	236,781	14.5929	\$34,553.2
> 400 KWH/KW	62,617	6.5130	\$4,078.2	57,131	13.5639	\$7,749.2
TOTAL	763,399		\$62,039.1	763,399		\$116,204.3
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/kW</u>		<u>kW</u>	<u>\$/kW</u>	
ALL BILLING KW	2,601,300	5.75	\$14,957.5	2,704,351	12.00	\$32,452.2
Total Demand and Energy			\$76,996.6			\$148,656.5

Estimate of PF Adjustment for kWm > 200 kW Customers

	Recorded	Forecast
SALES (KWH)	738,022,526	
KVARHR	376,134,367	
POWER FACTOR (%)	89.0	89.0
FOR KWM > 200kW	<u>AT PRESENT RATES</u>	<u>AT PROPOSED RATES</u>
CALCULATED PF (%)	89.0	89.0
BASE PF (%)	85.0	85.0
DIFF.	<u>(4.0)</u>	<u>(4.0)</u>
ADJ. FOR EA. 1% DIFF.	0.001	0.001
PF ADJ RATE	-0.004	-0.004
TOTAL DMD + ENGY CHRG	\$76,996.6	\$148,656.5
Power Factor Adjustment (\$000s)	(\$308.0)	(\$594.6)

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE AT PRESENT RATES

<u>RIDER M(B)</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>PROPOSED</u> <u>(\$1000s)</u>
Rider Mb J1	(\$10.6)	(\$17.5)
Rider Mb J2	(\$12.5)	(\$20.1)
Rider Mb J3	(\$12.4)	(\$20.4)
Rider Mb J4	(\$18.6)	(\$32.5)
Rider Mb J5	(\$7.1)	(\$11.3)
Rider Mb J6	(\$3.7)	(\$6.7)
Rider Mb J7	(\$11.2)	(\$18.2)
Rider Mb J8	(\$30.5)	(\$46.9)
Rider Mb J9	(\$13.5)	(\$21.5)
Rider Mb J10	(\$7.6)	(\$13.6)
Rider Mb J11	(\$24.8)	(\$37.6)
Total Rider Mb	(\$152.5)	(\$246.3)
<u>RIDER I</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>PROPOSED</u> <u>(\$1000s)</u>
Rider I J1	(\$45.8)	(\$94.3)
Total Rider I	(\$45.8)	(\$94.3)
<u>RIDER T</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>PROPOSED</u> <u>(\$1000s)</u>
Rider T J1	(\$44.2)	(\$58.7)
Rider T J2	(\$0.6)	(\$0.7)
Rider T J3	(\$3.0)	(\$3.1)
Rider T J4	(\$12.6)	(\$12.8)
Rider T J5	(\$3.9)	(\$29.5)
Rider T J6	(\$4.2)	(\$5.7)
Rider T J7	(\$34.8)	(\$47.3)
Rider T J8	(\$39.4)	(\$53.8)
Rider T J9	(\$1.4)	(\$1.5)
Rider T J10	(\$5.2)	(\$6.1)
Rider T J11	(\$0.9)	(\$0.9)
Rider T J12	(\$1.2)	(\$1.2)
Rider T J13	(\$5.9)	(\$10.2)
Rider T J14	(\$4.7)	(\$7.7)
Rider T J15	(\$10.2)	(\$16.5)
Rider T J16	(\$48.8)	(\$65.8)
Rider T J17	(\$32.7)	(\$48.1)
Rider T J18	(\$26.0)	(\$41.6)
Rider T J19	(\$25.9)	(\$37.7)
Rider T J20	(\$1.3)	(\$1.3)
Rider T J21	(\$0.6)	(\$0.6)
Rider T J22	(\$3.4)	(\$4.5)
Rider T J23	(\$1.8)	(\$1.7)
Rider T J24	(\$23.6)	(\$39.8)
Rider T J25	(\$46.9)	(\$77.7)
TOTAL	(\$338.4)	(\$574.5)
<u>MULTIPLE RIDERS</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>PROPOSED</u> <u>(\$1000s)</u>
Rider Mbl J1	(\$247.5)	(\$486.9)
TOTAL	(\$247.5)	(\$486.9)
<u>SCHEDULE U</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>PROPOSED</u> <u>(\$1000s)</u>
Sch U J1	(\$99.9)	(\$109.9)
Sch U J2	(\$32.2)	(\$41.3)
Sch U J3	(\$68.7)	(\$73.4)
Sch U J4	(\$124.6)	(\$135.7)
TOTAL	(\$325.4)	(\$360.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J1

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:								
Curtailable Load		122.1		122.1				
Billing kW	123.2	31.6	123.6	32.0				
kWh Per Month	28,220	28,220	28,220	28,220				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	24,640	6,320	24,720	6,400	\$2,141	\$549	\$3,891	\$1,007
201 - 400 kWh/kW	3,580	6,320	3,500	6,400	\$270	\$477	\$511	\$934
>400 kWh/kW	0	15,580	0	15,420	\$0	\$1,015	\$0	\$2,092
Subtotal	28,220	28,220	28,220	28,220	\$2,411	\$2,041	\$4,402	\$4,033
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
Demand Charge:								
Total kWb	123.2	31.6	123.6	32.0	\$708	\$182	\$1,483	\$384
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$3,179	\$2,293	\$5,955	\$4,497
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$3,179	\$2,293	\$5,955	\$4,497
Total Revenue Per Year (\$000s)					\$38.1	\$27.5	\$71.5	\$54.0
Rider Adjustment (\$000s/Yr)						(\$10.6)		(\$17.5)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 60 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J2

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:								
Curtailable Load		135.9		135.9				
Billing kW	173.8	71.9	173.7	71.8				
kWh Per Month	51,267	51,267	51,267	51,267				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	34,760	14,380	34,740	14,360	\$3,021	\$1,250	\$5,468	\$2,260
201 - 400 kWh/kW	16,507	14,380	16,527	14,360	\$1,245	\$1,085	\$2,412	\$2,096
>400 kWh/kW	0	22,507	0	22,547	\$0	\$1,466	\$0	\$3,058
Subtotal	51,267	51,267	51,267	51,267	\$4,266	\$3,801	\$7,880	\$7,414
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
Demand Charge:								
Total kWb	173.8	71.9	173.7	71.8	\$999	\$413	\$2,084	\$862
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$5,325	\$4,284	\$10,034	\$8,356
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$5,325	\$4,284	\$10,034	\$8,356
Total Revenue Per Year (\$000s)					\$63.9	\$51.4	\$120.4	\$100.3
Rider Adjustment (\$000s/Yr)						(\$12.5)		(\$20.1)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 61 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J3

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J3	Rider M(b)	Sch. J	Rider M(b)	Sch. J3	Rider M(b)	Sch. J3	Rider M(b)
Billing Load Per Month:								
Curtailable Load		162.8		162.8				
Billing kW	314.4	192.3	332.0	209.9				
kWh Per Month	86,200	86,200	86,200	86,200				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	100	100	100	100				
Energy Charge:								
0 - 200 kWh/kW	62,880	38,460	66,400	41,980	\$5,464	\$3,342	\$10,452	\$6,608
201 - 400 kWh/kW	23,320	38,460	19,800	41,980	\$1,759	\$2,901	\$2,889	\$6,126
>400 kWh/kW	0	9,280	0	2,240	\$0	\$604	\$0	\$304
Subtotal	86,200	86,200	86,200	86,200	\$7,223	\$6,847	\$13,341	\$13,038
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
Demand Charge:								
Total kWb	314.4	192.3	332.0	209.9	\$1,808	\$1,106	\$3,984	\$2,519
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					(\$172)	(\$151)	(\$364)	(\$327)
Power Factor Adjustment					(\$135)	(\$119)	(\$260)	(\$233)
Total Base Revenue Per Month					\$8,784	\$7,753	\$16,771	\$15,077
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$8,784	\$7,753	\$16,771	\$15,077
Total Revenue Per Year (\$000s)					\$105.4	\$93.0	\$201.3	\$180.9
Rider Adjustment (\$000s/Yr)						(\$12.4)		(\$20.4)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 62 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J4

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J3	Rider M(b)	Sch. J3	Rider M(b)	Sch. J3	Rider M(b)	Sch. J3	Rider M(b)
Billing Load Per Month:								
Curtailable Load		253.8		253.8				
Billing kW	409.1	218.7	424.5	234.1				
kWh Per Month	90,333	90,333	90,333	90,333				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	65	65	65	65				
Energy Charge:								
0 - 200 kWh/kW	81,820	43,740	84,900	46,820	\$7,110	\$3,801	\$13,364	\$7,370
201 - 400 kWh/kW	8,513	43,740	5,433	43,513	\$642	\$3,299	\$793	\$6,350
>400 kWh/kW	0	2,853	0	0	\$0	\$186	\$0	\$0
Subtotal	90,333	90,333	90,333	90,333	\$7,752	\$7,286	\$14,157	\$13,720
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
Demand Charge:								
Total kWb	409.1	218.7	424.5	234.1	\$2,352	\$1,258	\$5,094	\$2,809
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					(\$192)	(\$162)	(\$404)	(\$347)
Power Factor Adjustment					\$202	\$171	\$385	\$331
Total Base Revenue Per Month					\$10,174	\$8,623	\$19,302	\$16,593
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$10,174	\$8,623	\$19,302	\$16,593
Total Revenue Per Year (\$000s)					\$122.1	\$103.5	\$231.6	\$199.1
Rider Adjustment (\$000s/Yr)						(\$18.6)		(\$32.5)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 63 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J5

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:								
Curtailable Load		75.3		75.3				
Billing kW	100.4	43.9	100.8	44.3				
kWh Per Month	32,013	32,013	32,013	32,013				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	20,080	8,780	20,160	8,860	\$1,745	\$763	\$3,173	\$1,395
201 - 400 kWh/kW	11,933	8,780	11,853	8,860	\$900	\$662	\$1,730	\$1,293
>400 kWh/kW	0	14,453	0	14,293	\$0	\$941	\$0	\$1,939
Subtotal	32,013	32,013	32,013	32,013	\$2,645	\$2,366	\$4,903	\$4,627
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
Demand Charge:								
Total kWb	100.4	43.9	100.8	44.3	\$577	\$252	\$1,210	\$532
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$3,282	\$2,688	\$6,183	\$5,239
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$3,282	\$2,688	\$6,183	\$5,239
Total Revenue Per Year (\$000s)					\$39.4	\$32.3	\$74.2	\$62.9
Rider Adjustment (\$000s/Yr)						(\$7.1)		(\$11.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J6

<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:							
Curtailable Load	52.3		52.3				
Billing kW	129.3	136.0	96.8				
kWh Per Month	27,687	27,687	27,687				
On-Peak kWh	0		0				
Off-Peak kWh	0		0				
Power Factor	85	85	85				
Energy Charge:							
0 - 200 kWh/kW	25,860	18,020	27,200	19,360	\$2,247	\$1,566	\$4,282
201 - 400 kWh/kW	1,827	9,667	487	8,327	\$138	\$729	\$71
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0
Subtotal	27,687	27,687	27,687	27,687	\$2,385	\$2,295	\$4,353
On-Peak Surcharge	0		0			\$0	\$0
Off-Peak Credit	0		0			\$0	\$0
Rider T Energy Charge Adjustment	0		0			\$0	\$0
Demand Charge:							
Total kWb	129.3	90.1	136.0	96.8	\$743	\$518	\$1,632
Customer Charge					\$60	\$60	\$70
Time-of-Day Metering Charge						\$10	\$10
Primary Voltage Service Discount					\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0
Total Base Revenue Per Month					\$3,188	\$2,883	\$6,055
Fuel Oil Adjustment					\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0
Total Revenue Per Month					\$3,188	\$2,883	\$6,055
Total Revenue Per Year (\$000s)					\$38.3	\$34.6	\$72.7
Rider Adjustment (\$000s/Yr)						(\$3.7)	(\$6.7)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 65 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J7

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J4	Rider M(b)	Sch. J4	Rider M(b)	Sch. J4	Rider M(b)	Sch. J4	Rider M(b)
Billing Load Per Month:								
Curtailable Load		145.2		145.2				
Billing kW	492.0	383.1	530.5	421.6				
kWh Per Month	162,200	162,200	162,200	162,200				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	99	99	99	99				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	98,400	76,620	106,100	84,320	\$8,551	\$6,658	\$16,701	\$13,273
201 - 400 kWh/kW	63,800	76,620	56,100	77,880	\$4,812	\$5,779	\$8,187	\$11,365
>400 kWh/kW	0	8,960	0	0	\$0	\$584	\$0	\$0
Subtotal	162,200	162,200	162,200	162,200	\$13,363	\$13,021	\$24,888	\$24,638
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
<u>Demand Charge:</u>								
Total kWb	492.0	383.1	530.5	421.6	\$2,829	\$2,203	\$6,366	\$5,059
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					(\$113)	(\$107)	(\$156)	(\$148)
Power Factor Adjustment					(\$227)	(\$213)	(\$438)	(\$416)
Total Base Revenue Per Month					\$15,912	\$14,974	\$30,730	\$29,213
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$15,912	\$14,974	\$30,730	\$29,213
Total Revenue Per Year (\$000s)					\$190.9	\$179.7	\$368.8	\$350.6
Rider Adjustment (\$000s/Yr)						(\$11.2)		(\$18.2)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 66 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J8

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:								
Curtailable Load		307.9		307.9				
Billing kW	494.9	264.0	510.7	279.8				
kWh Per Month	173,100	173,100	173,100	173,100				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	88	88	88	88				
Energy Charge:								
0 - 200 kWh/kW	98,980	52,800	102,140	55,960	\$8,601	\$4,588	\$16,078	\$8,809
201 - 400 kWh/kW	74,120	52,800	70,960	55,960	\$5,590	\$3,982	\$10,355	\$8,166
>400 kWh/kW	0	67,500	0	61,180	\$0	\$4,396	\$0	\$8,298
Subtotal	173,100	173,100	173,100	173,100	\$14,191	\$12,966	\$26,433	\$25,273
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
Demand Charge:								
Total kWb	494.9	264.0	510.7	279.8	\$2,846	\$1,518	\$6,128	\$3,358
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$51)	(\$43)	(\$98)	(\$86)
Total Base Revenue Per Month					\$17,046	\$14,511	\$32,533	\$28,625
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$17,046	\$14,511	\$32,533	\$28,625
Total Revenue Per Year (\$000s)					\$204.6	\$174.1	\$390.4	\$343.5
Rider Adjustment (\$000s/Yr)						(\$30.5)		(\$46.9)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 67 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J9

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:								
Curtailable Load		155.3		155.3				
Billing kW	421.9	305.4	437.0	320.5				
kWh Per Month	140,960	140,960	140,960	140,960				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	84	84	84	84				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	84,380	61,080	87,400	64,100	\$7,333	\$5,308	\$13,758	\$10,090
201 - 400 kWh/kW	56,580	61,080	53,560	64,100	\$4,267	\$4,607	\$7,816	\$9,354
>400 kWh/kW	0	18,800	0	12,760	\$0	\$1,224	\$0	\$1,731
Subtotal	140,960	140,960	140,960	140,960	\$11,600	\$11,139	\$21,574	\$21,175
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
<u>Demand Charge:</u>								
Total kWb	421.9	305.4	437.0	320.5	\$2,426	\$1,756	\$5,244	\$3,846
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$14	\$13	\$27	\$25
Total Base Revenue Per Month					\$14,100	\$12,978	\$26,915	\$25,126
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$14,100	\$12,978	\$26,915	\$25,126
Total Revenue Per Year (\$000s)					\$169.2	\$155.7	\$323.0	\$301.5
Rider Adjustment (\$000s/Yr)						(\$13.5)		(\$21.5)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J10

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:								
Curtailable Load		106.0		106.0				
Billing kW	199.7	120.2	205.0	125.5				
kWh Per Month	44,973	44,973	44,973	44,973				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	39,940	24,040	41,000	25,100	\$3,471	\$2,089	\$6,454	\$3,951
201 - 400 kWh/kW	5,033	20,933	3,973	19,873	\$380	\$1,579	\$580	\$2,900
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	44,973	44,973	44,973	44,973	\$3,851	\$3,668	\$7,034	\$6,851
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
Demand Charge:								
Total kWb	199.7	120.2	205.0	125.5	\$1,148	\$691	\$2,460	\$1,506
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$5,059	\$4,429	\$9,564	\$8,437
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$5,059	\$4,429	\$9,564	\$8,437
Total Revenue Per Year (\$000s)					\$60.7	\$53.1	\$114.8	\$101.2
Rider Adjustment (\$000s/Yr)						(\$7.6)		(\$13.6)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 69 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J11

<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:							
Curtailable Load	230.3		230.3				
Billing kW	370.5	371.1	198.4				
kWh Per Month	204,300	204,300	204,300				
On-Peak kWh	0		0				
Off-Peak kWh	0		0				
Power Factor	96	96	96				
<u>Energy Charge:</u>							
0 - 200 kWh/kW	74,100	74,220	39,680	\$6,439	\$3,438	\$11,683	\$6,246
201 - 400 kWh/kW	74,100	74,220	39,680	\$5,589	\$2,984	\$10,831	\$5,790
>400 kWh/kW	56,100	55,860	124,940	\$3,654	\$8,153	\$7,577	\$16,947
Subtotal	204,300	204,300	204,300	\$15,682	\$14,575	\$30,091	\$28,983
On-Peak Surcharge	0		0		\$0		\$0
Off-Peak Credit	0		0		\$0		\$0
Rider T Energy Charge Adjustment	0		0		\$0		\$0
<u>Demand Charge:</u>							
Total kWb	370.5	371.1	198.4	\$2,130	\$1,137	\$4,453	\$2,381
Customer Charge				\$60	\$60	\$70	\$70
Time-of-Day Metering Charge					\$10		\$10
Primary Voltage Service Discount				\$0	\$0	\$0	\$0
Power Factor Adjustment				(\$196)	(\$173)	(\$380)	(\$345)
Total Base Revenue Per Month				\$17,676	\$15,609	\$34,234	\$31,099
Fuel Oil Adjustment				\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)				\$0	\$0	\$0	\$0
IRP Adjustment				\$0	\$0	\$0	\$0
DSM Adjustment				\$0	\$0	\$0	\$0
Total Revenue Per Month				\$17,676	\$15,609	\$34,234	\$31,099
Total Revenue Per Year (\$000s)				\$212.1	\$187.3	\$410.8	\$373.2
Rider Adjustment (\$000s/Yr)					(\$24.8)		(\$37.6)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider I J1

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J3	Rider I	Sch. J3	Rider I	Sch. J3	Rider I	Sch. J3	Rider I
Billing Load Per Month:								
Curtailable Load		0.0		0.0				
Billing kW	2,248.9	1,574.2	2,461.4	1,786.7	interruptible=2350			
kWh Per Month	297,500	297,500	255,000	255,000				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	84	84	93	93				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	297,500	297,500	255,000	255,000	\$25,853	\$25,853	\$40,140	\$40,140
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	297,500	297,500	255,000	255,000	\$25,853	\$25,853	\$40,140	\$40,140
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
<u>Demand Charge:</u>								
Total kWb	2,248.9	1,574.2	2,461.4	1,786.7	\$12,931	\$9,052	\$29,537	\$21,440
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge								
Primary Voltage Service Discount					(\$737)	(\$663)	(\$1,463)	(\$1,293)
Power Factor Adjustment					\$39	\$35	(\$557)	(\$493)
Total Base Revenue Per Month					\$38,146	\$34,337	\$67,727	\$59,864
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$38,146	\$34,337	\$67,727	\$59,864
Total Revenue Per Year (\$000s)					\$457.8	\$412.0	\$812.7	\$718.4
Rider Adjustment (\$000s/Yr)						(\$45.8)		(\$94.3)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 71 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J1

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J3	Rider T	Sch. J3	Rider T	Sch. J3	Rider T	Sch. J3	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	5,649.1	5,367.8	6,191.1	5,946.3				
kWh Per Month	1,247,195	1,247,195	1,247,195	1,247,195				
On-Peak kWh		718,799		718,799				
Off-Peak kWh		528,396		528,396				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	1,129,820	1,073,560	1,238,220	1,189,260	\$98,181	\$93,292	\$194,908	\$187,201
201 - 400 kWh/kW	117,375	173,635	8,975	57,935	\$8,852	\$13,095	\$1,310	\$8,454
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	1,247,195	1,247,195	1,247,195	1,247,195	\$107,033	\$106,387	\$196,218	\$195,655
On-Peak Surcharge		718,799		718,799		\$14,376		\$14,376
Off-Peak Credit		528,396		528,396		(\$15,852)		(\$15,852)
Rider T Energy Charge Adjustment		1,247,195		1,247,195		(\$1,476)		(\$1,476)
<u>Demand Charge:</u>								
Total kWb	5,649.1	5,367.8	6,191.1	5,946.3	\$32,482	\$30,865	\$74,293	\$71,356
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					(\$2,651)	(\$2,608)	(\$5,681)	(\$5,607)
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$136,924	\$133,238	\$264,900	\$260,008
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$136,924	\$133,238	\$264,900	\$260,008
Total Revenue Per Year (\$000s)					\$1,643.1	\$1,598.9	\$3,178.8	\$3,120.1
Rider Adjustment (\$000s/Yr)						(\$44.2)		(\$58.7)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 72 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J2

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	37.6	36.1	38.8	36.3				
kWh Per Month	2,440	2,440	2,440	2,440				
On-Peak kWh		573		573				
Off-Peak kWh		1,867		1,867				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	2,440	2,440	2,440	2,440	\$212	\$212	\$384	\$384
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	2,440	2,440	2,440	2,440	\$212	\$212	\$384	\$384
On-Peak Surcharge		573		573		\$11		\$11
Off-Peak Credit		1,867		1,867		(\$56)		(\$56)
Rider T Energy Charge Adjustment		2,440		2,440		(\$45)		(\$45)
<u>Demand Charge:</u>								
Total kWb	37.6	36.1	38.8	36.3	\$216	\$208	\$466	\$436
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$488	\$445	\$920	\$855
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$488	\$445	\$920	\$855
Total Revenue Per Year (\$000s)					\$5.9	\$5.3	\$11.0	\$10.3
Rider Adjustment (\$000s/Yr)						(\$0.6)		(\$0.7)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 73 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J3

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	116.8	116.8	116.8	116.8				
kWh Per Month	54,440	54,440	54,440	54,440				
On-Peak kWh		27,360		27,360				
Off-Peak kWh		27,080		27,080				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	23,360	23,360	23,360	23,360	\$2,030	\$2,030	\$3,677	\$3,677
201 - 400 kWh/kW	23,360	23,360	23,360	23,360	\$1,762	\$1,762	\$3,409	\$3,409
>400 kWh/kW	7,720	7,720	7,720	7,720	\$503	\$503	\$1,047	\$1,047
Subtotal	54,440	54,440	54,440	54,440	\$4,295	\$4,295	\$8,133	\$8,133
On-Peak Surcharge		27,360		27,360		\$547		\$547
Off-Peak Credit		27,080		27,080		(\$812)		(\$812)
Rider T Energy Charge Adjustment		54,440		54,440		(\$265)		(\$265)
<u>Demand Charge:</u>								
Total kWb	116.8	116.8	116.8	116.8	\$672	\$672	\$1,402	\$1,402
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$5,027	\$4,772	\$9,605	\$9,350
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$5,027	\$4,772	\$9,605	\$9,350
Total Revenue Per Year (\$000s)					\$60.3	\$57.3	\$115.3	\$112.2
Rider Adjustment (\$000s/Yr)						(\$3.0)		(\$3.1)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 74 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J4

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	291.4	291.4	292.0	290.4				
kWh Per Month	77,527	77,527	77,527	77,527				
On-Peak kWh		25,340		25,340				
Off-Peak kWh		52,187		52,187				
Power Factor	88	88	88	88				
Energy Charge:								
0 - 200 kWh/kW	58,280	58,280	58,400	58,080	\$5,065	\$5,065	\$9,193	\$9,142
201 - 400 kWh/kW	19,247	19,247	19,127	19,447	\$1,452	\$1,452	\$2,791	\$2,838
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	77,527	77,527	77,527	77,527	\$6,517	\$6,517	\$11,984	\$11,980
On-Peak Surcharge		25,340		25,340		\$507		\$507
Off-Peak Credit		52,187		52,187		(\$1,566)		(\$1,566)
Rider T Energy Charge Adjustment		77,527		77,527		(\$1,059)		(\$1,059)
Demand Charge:								
Total kWb	291.4	291.4	292.0	290.4	\$1,676	\$1,676	\$3,504	\$3,485
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$25)	(\$25)	(\$46)	(\$46)
Total Base Revenue Per Month					\$8,228	\$7,179	\$15,512	\$14,440
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$8,228	\$7,179	\$15,512	\$14,440
Total Revenue Per Year (\$000s)					\$98.7	\$86.1	\$186.1	\$173.3
Rider Adjustment (\$000s/Yr)						(\$12.6)		(\$12.8)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 75 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J5

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	404.2	403.9	436.7	287.7				
kWh Per Month	107,040	107,040	107,040	107,040				
On-Peak kWh		57,580		57,580				
Off-Peak kWh		49,460		49,460				
Power Factor	84	84	84	84				
Energy Charge:								
0 - 200 kWh/kW	80,840	80,780	87,340	57,540	\$7,025	\$7,020	\$13,748	\$9,057
201 - 400 kWh/kW	26,200	26,260	19,700	49,500	\$1,976	\$1,981	\$2,875	\$7,223
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	107,040	107,040	107,040	107,040	\$9,001	\$9,001	\$16,623	\$16,280
On-Peak Surcharge		57,580		57,580		\$1,152		\$1,152
Off-Peak Credit		49,460		49,460		(\$1,484)		(\$1,484)
Rider T Energy Charge Adjustment		107,040		107,040		(\$332)		(\$332)
Demand Charge:								
Total kWb	404.2	403.9	436.7	287.7	\$2,324	\$2,322	\$5,240	\$3,452
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$11	\$11	\$22	\$20
Total Base Revenue Per Month					\$11,396	\$11,072	\$21,955	\$19,500
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$11,396	\$11,072	\$21,955	\$19,500
Total Revenue Per Year (\$000s)					\$136.8	\$132.9	\$263.5	\$234.0
Rider Adjustment (\$000s/Yr)						(\$3.9)		(\$29.5)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 76 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J6

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	193.9	193.9	202.7	192.4				
kWh Per Month	31,080	31,080	31,080	31,080				
On-Peak kWh		11,507		11,507				
Off-Peak kWh		19,573		19,573				
Power Factor	88	88	88	88				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	31,080	31,080	31,080	31,080	\$2,701	\$2,701	\$4,892	\$4,892
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	31,080	31,080	31,080	31,080	\$2,701	\$2,701	\$4,892	\$4,892
On-Peak Surcharge		11,507		11,507		\$230		\$230
Off-Peak Credit		19,573		19,573		(\$587)		(\$587)
Rider T Energy Charge Adjustment		31,080		31,080		(\$357)		(\$357)
<u>Demand Charge:</u>								
Total kWb	193.9	193.9	202.7	192.4	\$1,115	\$1,115	\$2,432	\$2,309
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$11)	(\$11)	(\$22)	(\$22)
Total Base Revenue Per Month					\$3,865	\$3,518	\$7,372	\$6,902
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$3,865	\$3,518	\$7,372	\$6,902
Total Revenue Per Year (\$000s)					\$46.4	\$42.2	\$88.5	\$82.8
Rider Adjustment (\$000s/Yr)						(\$4.2)		(\$5.7)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 77 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J7

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	539.1	25.0	359.4	25.0				
kWh Per Month	700	700	700	700				
On-Peak kWh		400		400				
Off-Peak kWh		300		300				
Power Factor	100	100	100	100				
Energy Charge:								
0 - 200 kWh/kW	700	700	700	700	\$81	\$61	\$110	\$110
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	700	700	700	700	\$81	\$61	\$110	\$110
On-Peak Surcharge		400		400		\$8		\$8
Off-Peak Credit		300		300		(\$9)		(\$9)
Rider T Energy Charge Adjustment		700		700		(\$1)		(\$1)
Demand Charge:								
Total kWb	539.1	25.0	359.4	25.0	\$3,100	\$144	\$4,313	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$47)	(\$3)	(\$66)	(\$6)
Total Base Revenue Per Month					\$3,174	\$271	\$4,427	\$483
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$3,174	\$271	\$4,427	\$483
Total Revenue Per Year (\$000s)					\$38.1	\$3.3	\$53.1	\$5.8
Rider Adjustment (\$000s/Yr)						(\$34.8)		(\$47.3)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 78 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J8

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	598.8	25.0	399.2	25.0				
kWh Per Month	667	667	667	667				
On-Peak kWh		400		400				
Off-Peak kWh		267		267				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	667	667	667	667	\$58	\$58	\$105	\$105
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	667	667	667	667	\$58	\$58	\$105	\$105
On-Peak Surcharge		400		400		\$8		\$8
Off-Peak Credit		267		267		(\$8)		(\$8)
Rider T Energy Charge Adjustment		667		667		\$0		\$0
Demand Charge:								
Total kWb	598.8	25.0	399.2	25.0	\$3,443	\$144	\$4,790	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$3,561	\$272	\$4,965	\$485
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$3,561	\$272	\$4,965	\$485
Total Revenue Per Year (\$000s)					\$42.7	\$3.3	\$59.6	\$5.8
Rider Adjustment (\$000s/Yr)						(\$39.4)		(\$53.8)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 79 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J9

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	126.7	126.6	131.8	131.6				
kWh Per Month	17,993	17,993	17,993	17,993				
On-Peak kWh		8,153		8,153				
Off-Peak kWh		9,840		9,840				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	17,993	17,993	17,993	17,993	\$1,564	\$1,564	\$2,832	\$2,832
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	17,993	17,993	17,993	17,993	\$1,564	\$1,564	\$2,832	\$2,832
On-Peak Surcharge		8,153		8,153		\$163		\$163
Off-Peak Credit		9,840		9,840		(\$295)		(\$295)
Rider T Energy Charge Adjustment		17,993		17,993		(\$132)		(\$132)
Demand Charge:								
Total kWb	126.7	126.6	131.8	131.6	\$729	\$728	\$1,582	\$1,579
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$2,353	\$2,230	\$4,484	\$4,359
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$2,353	\$2,230	\$4,484	\$4,359
Total Revenue Per Year (\$000s)					\$28.2	\$26.8	\$53.8	\$52.3
Rider Adjustment (\$000s/Yr)						(\$1.4)		(\$1.5)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 80 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J10

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	187.7	164.8	190.9	173.8				
kWh Per Month	17,113	17,113	17,113	17,113				
On-Peak kWh		4,040		4,040				
Off-Peak kWh		13,073		13,073				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	17,113	17,113	17,113	17,113	\$1,487	\$1,487	\$2,694	\$2,694
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	17,113	17,113	17,113	17,113	\$1,487	\$1,487	\$2,694	\$2,694
On-Peak Surcharge		4,040		4,040		\$81		\$81
Off-Peak Credit		13,073		13,073		(\$392)		(\$392)
Rider T Energy Charge Adjustment		17,113		17,113		(\$311)		(\$311)
<u>Demand Charge:</u>								
Total kWb	187.7	164.8	190.9	173.8	\$1,079	\$948	\$2,291	\$2,086
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$2,626	\$2,194	\$5,055	\$4,549
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$2,626	\$2,194	\$5,055	\$4,549
Total Revenue Per Year (\$000s)					\$31.5	\$26.3	\$60.7	\$54.6
Rider Adjustment (\$000s/Yr)						(\$5.2)		(\$6.1)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 81 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J11

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	38.1	38.1	39.2	39.2				
kWh Per Month	17,847	17,847	17,847	17,847				
On-Peak kWh		8,947		8,947				
Off-Peak kWh		8,900		8,900				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	7,620	7,620	7,840	7,840	\$662	\$662	\$1,234	\$1,234
201 - 400 kWh/kW	7,620	7,620	7,840	7,840	\$575	\$575	\$1,144	\$1,144
>400 kWh/kW	2,607	2,607	2,167	2,167	\$170	\$170	\$294	\$294
Subtotal	17,847	17,847	17,847	17,847	\$1,407	\$1,407	\$2,672	\$2,672
On-Peak Surcharge		8,947		8,947		\$179		\$179
Off-Peak Credit		8,900		8,900		(\$267)		(\$267)
Rider T Energy Charge Adjustment		17,847		17,847		(\$88)		(\$88)
<u>Demand Charge:</u>								
Total kWb	38.1	38.1	39.2	39.2	\$219	\$219	\$470	\$470
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$1,686	\$1,608	\$3,212	\$3,134
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$1,686	\$1,608	\$3,212	\$3,134
Total Revenue Per Year (\$000s)					\$20.2	\$19.3	\$38.5	\$37.6
Rider Adjustment (\$000s/Yr)						(\$0.9)		(\$0.9)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 82 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J12

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	60.0	60.0	65.6	65.6				
kWh Per Month	25,367	25,367	25,367	25,367				
On-Peak kWh		13,067		13,067				
Off-Peak kWh		12,300		12,300				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	12,000	12,000	13,120	13,120	\$1,043	\$1,043	\$2,065	\$2,065
201 - 400 kWh/kW	12,000	12,000	12,247	12,247	\$905	\$905	\$1,787	\$1,787
>400 kWh/kW	1,367	1,367	0	0	\$89	\$89	\$0	\$0
Subtotal	25,367	25,367	25,367	25,367	\$2,037	\$2,037	\$3,852	\$3,852
On-Peak Surcharge		13,067		13,067		\$261		\$261
Off-Peak Credit		12,300		12,300		(\$369)		(\$369)
Rider T Energy Charge Adjustment		25,367		25,367		(\$108)		(\$108)
<u>Demand Charge:</u>								
Total kWb	60.0	60.0	65.6	65.6	\$345	\$345	\$787	\$787
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$2,442	\$2,344	\$4,709	\$4,611
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$2,442	\$2,344	\$4,709	\$4,611
Total Revenue Per Year (\$000s)					\$29.3	\$28.1	\$56.5	\$55.3
Rider Adjustment (\$000s/Yr)						(\$1.2)		(\$1.2)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 83 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J13

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtaillable Load								
Billing kW	75.6	25.0	79.2	25.0				
kWh Per Month	10,519	10,519	10,519	10,519				
On-Peak kWh		3,466		3,466				
Off-Peak kWh		7,053		7,053				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	10,519	5,000	10,519	5,000	\$914	\$435	\$1,656	\$787
201 - 400 kWh/kW	0	5,000	0	5,000	\$0	\$377	\$0	\$730
>400 kWh/kW	0	519	0	519	\$0	\$34	\$0	\$70
Subtotal	10,519	10,519	10,519	10,519	\$914	\$846	\$1,656	\$1,587
On-Peak Surcharge		3,466		3,466		\$69		\$69
Off-Peak Credit		7,053		7,053		(\$212)		(\$212)
Rider T Energy Charge Adjustment		10,519		10,519		(\$143)		(\$143)
<u>Demand Charge:</u>								
Total kWb	75.6	25.0	79.2	25.0	\$435	\$144	\$950	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$1,409	\$917	\$2,676	\$1,824
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$1,409	\$917	\$2,676	\$1,824
Total Revenue Per Year (\$000s)					\$16.9	\$11.0	\$32.1	\$21.9
Rider Adjustment (\$000s/Yr)						(\$5.9)		(\$10.2)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 84 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J14

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	60.8	25.0	62.6	25.0				
kWh Per Month	9,480	9,480	9,480	9,480				
On-Peak kWh		2,767		2,767				
Off-Peak kWh		6,713		6,713				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	9,480	5,000	9,480	5,000	\$824	\$435	\$1,492	\$787
201 - 400 kWh/kW	0	4,480	0	4,480	\$0	\$338	\$0	\$654
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	9,480	9,480	9,480	9,480	\$824	\$773	\$1,492	\$1,441
On-Peak Surcharge		2,767		2,767		\$55		\$55
Off-Peak Credit		6,713		6,713		(\$201)		(\$201)
Rider T Energy Charge Adjustment		9,480		9,480		(\$146)		(\$146)
<u>Demand Charge:</u>								
Total kWb	60.8	25.0	62.6	25.0	\$350	\$144	\$751	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$1,234	\$841	\$2,313	\$1,675
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$1,234	\$841	\$2,313	\$1,675
Total Revenue Per Year (\$000s)					\$14.8	\$10.1	\$27.8	\$20.1
Rider Adjustment (\$000s/Yr)						(\$4.7)		(\$7.7)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 85 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J15

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	197.1	102.4	198.6	109.6				
kWh Per Month	19,073	19,073	19,073	19,073				
On-Peak kWh		5,220		5,220				
Off-Peak kWh		13,853		13,853				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	19,073	19,073	19,073	19,073	\$1,657	\$1,657	\$3,002	\$3,002
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	19,073	19,073	19,073	19,073	\$1,657	\$1,657	\$3,002	\$3,002
On-Peak Surcharge		5,220		5,220		\$104		\$104
Off-Peak Credit		13,853		13,853		(\$416)		(\$416)
Rider T Energy Charge Adjustment		19,073		19,073		(\$312)		(\$312)
Demand Charge:								
Total kWb	197.1	102.4	198.6	109.6	\$1,133	\$589	\$2,383	\$1,315
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$2,850	\$2,004	\$5,455	\$4,085
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$2,850	\$2,004	\$5,455	\$4,085
Total Revenue Per Year (\$000s)					\$34.2	\$24.0	\$65.5	\$49.0
Rider Adjustment (\$000s/Yr)						(\$10.2)		(\$16.5)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 86 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J16

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	242.8	25.0	246.4	25.0				
kWh Per Month	60,853	60,853	60,853	60,853				
On-Peak kWh		613		613				
Off-Peak kWh		60,240		60,240				
Power Factor	83	83	83	83				
Energy Charge:								
0 - 200 kWh/kW	48,560	5,000	49,280	5,000	\$4,220	\$435	\$7,757	\$787
201 - 400 kWh/kW	12,293	5,000	11,573	5,000	\$927	\$377	\$1,689	\$730
>400 kWh/kW	0	50,853	0	50,853	\$0	\$3,312	\$0	\$6,898
Subtotal	60,853	60,853	60,853	60,853	\$5,147	\$4,124	\$9,446	\$8,415
On-Peak Surcharge		613		613		\$12		\$12
Off-Peak Credit		60,240		60,240		(\$1,807)		(\$1,807)
Rider T Energy Charge Adjustment		60,853		60,853		(\$1,795)		(\$1,795)
Demand Charge:								
Total kWb	242.8	25.0	246.4	25.0	\$1,396	\$144	\$2,957	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$13	\$9	\$25	\$17
Total Base Revenue Per Month					\$6,616	\$2,552	\$12,498	\$7,017
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$6,616	\$2,552	\$12,498	\$7,017
Total Revenue Per Year (\$000s)					\$79.4	\$30.6	\$150.0	\$84.2
Rider Adjustment (\$000s/Yr)						(\$48.8)		(\$65.8)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 87 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J17

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	208.7	25.0	219.7	25.0				
kWh Per Month	35,720	35,720	35,720	35,720				
On-Peak kWh		240		240				
Off-Peak kWh		35,480		35,480				
Power Factor	83	83	83	83				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	35,720	5,000	35,720	5,000	\$3,104	\$435	\$5,623	\$787
201 - 400 kWh/kW	0	5,000	0	5,000	\$0	\$377	\$0	\$730
>400 kWh/kW	0	25,720	0	25,720	\$0	\$1,675	\$0	\$3,489
Subtotal	35,720	35,720	35,720	35,720	\$3,104	\$2,487	\$5,623	\$5,006
On-Peak Surcharge		240		240		\$5		\$5
Off-Peak Credit		35,480		35,480		(\$1,064)		(\$1,064)
Rider T Energy Charge Adjustment		35,720		35,720		(\$1,059)		(\$1,059)
<u>Demand Charge:</u>								
Total kWb	208.7	25.0	219.7	25.0	\$1,200	\$144	\$2,636	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$9	\$5	\$17	\$11
Total Base Revenue Per Month					\$4,373	\$1,647	\$8,346	\$4,338
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$4,373	\$1,647	\$8,346	\$4,338
Total Revenue Per Year (\$000s)					\$52.5	\$19.8	\$100.2	\$52.1
Rider Adjustment (\$000s/Yr)						(\$32.7)		(\$48.1)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 88 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J18

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	211.1	25.0	222.3	25.0				
kWh Per Month	24,607	24,607	24,607	24,607				
On-Peak kWh		0		0				
Off-Peak kWh		24,607		24,607				
Power Factor	88	88	88	88				
Energy Charge:								
0 - 200 kWh/kW	24,607	5,000	24,607	5,000	\$2,138	\$435	\$3,873	\$787
201 - 400 kWh/kW	0	5,000	0	5,000	\$0	\$377	\$0	\$730
>400 kWh/kW	0	14,607	0	14,607	\$0	\$951	\$0	\$1,981
Subtotal	24,607	24,607	24,607	24,607	\$2,138	\$1,763	\$3,873	\$3,498
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		24,607		24,607		(\$738)		(\$738)
Rider T Energy Charge Adjustment		24,607		24,607		(\$738)		(\$738)
Demand Charge:								
Total kWb	211.1	25.0	222.3	25.0	\$1,214	\$144	\$2,668	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$10)	(\$6)	(\$20)	(\$11)
Total Base Revenue Per Month					\$3,402	\$1,233	\$6,591	\$3,129
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$3,402	\$1,233	\$6,591	\$3,129
Total Revenue Per Year (\$000s)					\$40.8	\$14.8	\$79.1	\$37.5
Rider Adjustment (\$000s/Yr)						(\$26.0)		(\$41.6)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 89 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J19

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	181.0	25.3	181.5	25.3				
kWh Per Month	30,180	30,180	30,180	30,180				
On-Peak kWh		2,540		2,540				
Off-Peak kWh		27,640		27,640				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	30,180	5,060	30,180	5,060	\$2,623	\$440	\$4,751	\$796
201 - 400 kWh/kW	0	5,060	0	5,060	\$0	\$382	\$0	\$738
>400 kWh/kW	0	20,060	0	20,060	\$0	\$1,307	\$0	\$2,721
Subtotal	30,180	30,180	30,180	30,180	\$2,623	\$2,129	\$4,751	\$4,255
On-Peak Surcharge		2,540		2,540		\$51		\$51
Off-Peak Credit		27,640		27,640		(\$829)		(\$829)
Rider T Energy Charge Adjustment		30,180		30,180		(\$778)		(\$778)
Demand Charge:								
Total kWb	181.0	25.3	181.5	25.3	\$1,041	\$145	\$2,178	\$304
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$3,724	\$1,566	\$6,999	\$3,861
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$3,724	\$1,566	\$6,999	\$3,861
Total Revenue Per Year (\$000s)					\$44.7	\$18.8	\$84.0	\$46.3
Rider Adjustment (\$000s/Yr)						(\$25.9)		(\$37.7)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 90 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J20

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	34.1	34.1	34.6	34.6				
kWh Per Month	15,587	15,587	15,587	15,587				
On-Peak kWh		7,067		7,067				
Off-Peak kWh		8,520		8,520				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	6,820	6,820	6,920	6,920	\$593	\$593	\$1,089	\$1,089
201 - 400 kWh/kW	6,820	6,820	6,920	6,920	\$514	\$514	\$1,010	\$1,010
>400 kWh/kW	1,947	1,947	1,747	1,747	\$127	\$127	\$237	\$237
Subtotal	15,587	15,587	15,587	15,587	\$1,234	\$1,234	\$2,336	\$2,336
On-Peak Surcharge		7,067		7,067		\$141		\$141
Off-Peak Credit		8,520		8,520		(\$256)		(\$256)
Rider T Energy Charge Adjustment		15,587		15,587		(\$115)		(\$115)
<u>Demand Charge:</u>								
Total kWb	34.1	34.1	34.6	34.6	\$196	\$196	\$415	\$415
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$1,490	\$1,385	\$2,821	\$2,716
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$1,490	\$1,385	\$2,821	\$2,716
Total Revenue Per Year (\$000s)					\$17.9	\$16.6	\$33.9	\$32.6
Rider Adjustment (\$000s/Yr)						(\$1.3)		(\$1.3)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 91 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J21

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	39.4	39.3	41.1	41.0				
kWh Per Month	19,920	19,920	19,920	19,920				
On-Peak kWh		10,700		10,700				
Off-Peak kWh		9,220		9,220				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	7,880	7,860	8,220	8,200	\$685	\$683	\$1,294	\$1,291
201 - 400 kWh/kW	7,880	7,860	8,220	8,200	\$594	\$593	\$1,200	\$1,197
>400 kWh/kW	4,160	4,200	3,480	3,520	\$271	\$274	\$472	\$477
Subtotal	19,920	19,920	19,920	19,920	\$1,550	\$1,550	\$2,966	\$2,965
On-Peak Surcharge		10,700		10,700		\$214		\$214
Off-Peak Credit		9,220		9,220		(\$277)		(\$277)
Rider T Energy Charge Adjustment		19,920		19,920		(\$63)		(\$63)
<u>Demand Charge:</u>								
Total kWb	39.4	39.3	41.1	41.0	\$227	\$226	\$493	\$492
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$1,837	\$1,783	\$3,529	\$3,474
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$1,837	\$1,783	\$3,529	\$3,474
Total Revenue Per Year (\$000s)					\$22.0	\$21.4	\$42.3	\$41.7
Rider Adjustment (\$000s/Yr)						(\$0.6)		(\$0.6)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 92 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J22

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtable Load								
Billing kW	115.3	105.3	123.2	110.8				
kWh Per Month	17,320	17,320	17,320	17,320				
On-Peak kWh		5,680		5,680				
Off-Peak kWh		11,640		11,640				
Power Factor	85	85	85	85				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	17,320	17,320	17,320	17,320	\$1,505	\$1,505	\$2,726	\$2,726
201 - 400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	0	0	\$0	\$0	\$0	\$0
Subtotal	17,320	17,320	17,320	17,320	\$1,505	\$1,505	\$2,726	\$2,726
On-Peak Surcharge		5,680		5,680		\$114		\$114
Off-Peak Credit		11,640		11,640		(\$349)		(\$349)
Rider T Energy Charge Adjustment		17,320		17,320		(\$235)		(\$235)
<u>Demand Charge:</u>								
Total kWb	115.3	105.3	123.2	110.8	\$663	\$605	\$1,478	\$1,330
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$2,228	\$1,945	\$4,274	\$3,901
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$2,228	\$1,945	\$4,274	\$3,901
Total Revenue Per Year (\$000s)					\$26.7	\$23.3	\$51.3	\$46.8
Rider Adjustment (\$000s/Yr)						(\$3.4)		(\$4.5)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 93 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J23

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	34.1	33.9	35.2	34.8				
kWh Per Month	14,927	14,927	14,927	14,927				
On-Peak kWh		5,973		5,973				
Off-Peak kWh		8,954		8,954				
Power Factor	85	85	85	85				
Energy Charge:								
0 - 200 kWh/kW	6,820	6,780	7,040	6,960	\$593	\$589	\$1,108	\$1,096
201 - 400 kWh/kW	6,820	6,780	7,040	6,960	\$514	\$511	\$1,027	\$1,016
>400 kWh/kW	1,287	1,367	847	1,007	\$84	\$89	\$115	\$137
Subtotal	14,927	14,927	14,927	14,927	\$1,191	\$1,189	\$2,250	\$2,249
On-Peak Surcharge		5,973		5,973		\$119		\$119
Off-Peak Credit		8,954		8,954		(\$269)		(\$269)
Rider T Energy Charge Adjustment		14,927		14,927		(\$150)		(\$150)
Demand Charge:								
Total kWb	34.1	33.9	35.2	34.8	\$196	\$195	\$422	\$418
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					\$0	\$0	\$0	\$0
Total Base Revenue Per Month					\$1,447	\$1,304	\$2,742	\$2,597
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$1,447	\$1,304	\$2,742	\$2,597
Total Revenue Per Year (\$000s)					\$17.4	\$15.6	\$32.9	\$31.2
Rider Adjustment (\$000s/Yr)						(\$1.8)		(\$1.7)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 94 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J24

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	286.4	169.9	302.5	145.0				
kWh Per Month	62,400	62,400	62,400	62,400				
On-Peak kWh		16,700		16,700				
Off-Peak kWh		45,700		45,700				
Power Factor	87	87	87	87				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	57,280	33,980	60,500	29,000	\$4,978	\$2,953	\$9,523	\$4,565
201 - 400 kWh/kW	5,120	28,420	1,900	29,000	\$386	\$2,143	\$277	\$4,232
>400 kWh/kW	0	0	0	4,400	\$0	\$0	\$0	\$597
Subtotal	62,400	62,400	62,400	62,400	\$5,364	\$5,096	\$9,800	\$9,394
On-Peak Surcharge		16,700		16,700		\$334		\$334
Off-Peak Credit		45,700		45,700		(\$1,371)		(\$1,371)
Rider T Energy Charge Adjustment		62,400		62,400		(\$1,037)		(\$1,037)
<u>Demand Charge:</u>								
Total kWb	286.4	169.9	302.5	145.0	\$1,647	\$977	\$3,630	\$1,740
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$14)	(\$12)	(\$27)	(\$22)
Total Base Revenue Per Month					\$7,057	\$5,094	\$13,473	\$10,155
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$7,057	\$5,094	\$13,473	\$10,155
Total Revenue Per Year (\$000s)					\$84.7	\$61.1	\$161.7	\$121.9
Rider Adjustment (\$000s/Yr)						(\$23.6)		(\$39.8)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 95 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J25

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:								
Curtailable Load								
Billing kW	421.4	25.0	429.0	25.0				
kWh Per Month	34,944	34,944	34,944	34,944				
On-Peak kWh		0		0				
Off-Peak kWh		34,944		34,944				
Power Factor	87	87	87	87				
Energy Charge:								
0 - 200 kWh/kW	34,944	5,000	34,944	5,000	\$3,037	\$435	\$5,501	\$787
201 - 400 kWh/kW	0	5,000	0	5,000	\$0	\$377	\$0	\$730
>400 kWh/kW	0	24,944	0	24,944	\$0	\$1,625	\$0	\$3,383
Subtotal	34,944	34,944	34,944	34,944	\$3,037	\$2,437	\$5,501	\$4,900
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		34,944		34,944		(\$1,048)		(\$1,048)
Rider T Energy Charge Adjustment		34,944		34,944		(\$1,048)		(\$1,048)
Demand Charge:								
Total kWb	421.4	25.0	429.0	25.0	\$2,423	\$144	\$5,148	\$300
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$11)	(\$5)	(\$21)	(\$10)
Total Base Revenue Per Month					\$5,509	\$1,598	\$10,698	\$4,222
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$5,509	\$1,598	\$10,698	\$4,222
Total Revenue Per Year (\$000s)					\$66.1	\$19.2	\$128.4	\$50.7
Rider Adjustment (\$000s/Yr)						(\$46.9)		(\$77.7)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mbl J1

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J3	Riders M(b)&I	Sch. J3	Riders M(b)&I	Sch. J3	Riders M(b)&I	Sch. J3	Riders M(b)&I
Billing Load Per Month:								
Curtable Load								
Billing kW	3,776.0	475.2	3,894.5	593.7				
kWh Per Month	218,000	218,000	218,000	218,000				
On-Peak kWh		0		0				
Off-Peak kWh		0		0				
Power Factor	68	68	68	68				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	218,000	95,040	218,000	118,740	\$18,944	\$8,259	\$34,315	\$18,691
201 - 400 kWh/kW	0	95,040	0	99,260	\$0	\$7,168	\$0	\$14,485
>400 kWh/kW	0	27,920	0	0	\$0	\$1,818	\$0	\$0
Subtotal	218,000	218,000	218,000	218,000	\$18,944	\$17,245	\$34,315	\$33,176
On-Peak Surcharge		0		0		\$0		\$0
Off-Peak Credit		0		0		\$0		\$0
Rider T Energy Charge Adjustment		0		0		\$0		\$0
<u>Demand Charge:</u>								
Total kWb	3,776.0	475.2	3,894.5	593.7	\$21,712	\$2,732	\$46,734	\$7,124
Customer Charge					\$60	\$60	\$70	\$70
Time-of-Day Metering Charge						\$10		\$10
Primary Voltage Service Discount					(\$772)	(\$380)	(\$1,702)	(\$846)
Power Factor Adjustment					\$691	\$340	\$1,378	\$685
Total Base Revenue Per Month					\$40,635	\$20,007	\$80,795	\$40,219
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$40,635	\$20,007	\$80,795	\$40,219
Total Revenue Per Year (\$000s)					\$487.6	\$240.1	\$969.5	\$482.6
Rider Adjustment (\$000s/Yr)						(\$247.5)		(\$486.9)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 97 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J1

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:								
Curtailable Load								
Billing kW	597.3	91.0	597.3	91.0				
kWh Per Month	117,287	117,287	117,287	117,287				
On-Peak kWh		493		493				
Off-Peak kWh		116,793		116,793				
Power Factor	91	91	91	91				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	117,287		117,287		\$10,192		\$18,462	
201 - 400 kWh/kW	0		0		\$0		\$0	
>400 kWh/kW	0		0		\$0		\$0	
Subtotal	117,287		117,287		\$10,192		\$18,462	
On-Peak kWh		493		493		\$39		\$77
Off-Peak kWh		116,793		116,793		\$3,504		\$14,015
Rider U Energy Charge		117,286		117,286		\$3,543		\$14,092
<u>Demand Charge:</u>								
Total kWb	597.3	91.0	597.3	91.0	\$3,434	\$1,547	\$7,168	\$2,048
Customer Charge					\$60	\$215	\$70	\$350
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$82)	(\$31)	(\$154)	(\$97)
Total Base Revenue Per Month					\$13,604	\$5,274	\$25,546	\$16,393
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$13,604	\$5,274	\$25,546	\$16,393
Total Revenue Per Year (\$000s)					\$163.2	\$63.3	\$306.6	\$196.7
Rider Adjustment (\$000s/Yr)						(\$99.9)		(\$109.9)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 98 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J2

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:								
Curtailable Load								
Billing kW	284.3	40.6	284.3	40.6				
kWh Per Month	36,033	36,033	36,033	36,033				
On-Peak kWh		3,073		3,073				
Off-Peak kWh		32,960		32,960				
Power Factor	89	89	89	89				
<u>Energy Charge:</u>								
0 - 200 kWh/kW	36,033		36,033		\$3,131		\$5,672	
201 - 400 kWh/kW	0		0		\$0		\$0	
>400 kWh/kW	0		0		\$0		\$0	
Subtotal	36,033		36,033		\$3,131		\$5,672	
On-Peak kWh		3,073		3,073		\$240		\$481
Off-Peak kWh		32,960		32,960		\$989		\$3,955
Rider U Energy Charge		36,033		36,033		\$1,229		\$4,436
<u>Demand Charge:</u>								
Total kWb	284.3	40.6	284.3	40.6	\$1,635	\$690	\$3,412	\$914
Customer Charge					\$60	\$215	\$70	\$350
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$19)	(\$8)	(\$36)	(\$21)
Total Base Revenue Per Month					\$4,807	\$2,126	\$9,118	\$5,679
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$4,807	\$2,126	\$9,118	\$5,679
Total Revenue Per Year (\$000s)					\$57.7	\$25.5	\$109.4	\$68.1
Rider Adjustment (\$000s/Yr)						(\$32.2)		(\$41.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J3

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:								
Curtailable Load								
Billing kW	365.8	36.5	365.8	36.5				
kWh Per Month	81,227	81,227	81,227	81,227				
On-Peak kWh		1,313		1,313				
Off-Peak kWh		79,913		79,913				
Power Factor	96	96	96	96				
Energy Charge:								
0 - 200 kWh/kW	73,160		73,160		\$6,358		\$11,516	
201 - 400 kWh/kW	8,067		8,067		\$608		\$1,177	
>400 kWh/kW	0		0		\$0		\$0	
Subtotal	81,227		81,227		\$6,966		\$12,693	
On-Peak kWh		1,313		1,313		\$103		\$206
Off-Peak kWh		79,913		79,913		\$2,397		\$9,590
Rider U Energy Charge		81,226		81,226		\$2,500		\$9,796
Demand Charge:								
Total kWb	365.8	36.5	365.8	36.5	\$2,103	\$621	\$4,390	\$821
Customer Charge					\$60	\$215	\$70	\$350
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$100)	(\$34)	(\$188)	(\$117)
Total Base Revenue Per Month					\$9,029	\$3,302	\$16,965	\$10,850
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$9,029	\$3,302	\$16,965	\$10,850
Total Revenue Per Year (\$000s)					\$108.3	\$39.6	\$203.6	\$130.2
Rider Adjustment (\$000s/Yr)						(\$68.7)		(\$73.4)

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 100 OF 152

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J4

	<u>Billing Units @ Present Rates</u>		<u>Billing Units @ Proposed Rates</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:								
Curtailable Load								
Billing kW	614.0	25.0	614.0	25.0				
kWh Per Month	135,220	135,220	135,220	135,220				
On-Peak kWh		280		280				
Off-Peak kWh		134,940		134,940				
Power Factor	95	95	95	95				
Energy Charge:								
0 - 200 kWh/kW	122,800		122,800		\$10,671		\$19,330	
201 - 400 kWh/kW	12,420		12,420		\$937		\$1,812	
>400 kWh/kW	0		0		\$0		\$0	
Subtotal	135,220		135,220		\$11,608		\$21,142	
On-Peak kWh		280		280		\$22		\$44
Off-Peak kWh		134,940		134,940		\$4,048		\$16,193
Rider U Energy Charge		135,220		135,220		\$4,070		\$16,237
Demand Charge:								
Total kWb	614.0	25.0	614.0	25.0	\$3,531	\$425	\$7,368	\$563
Customer Charge					\$60	\$215	\$70	\$350
Primary Voltage Service Discount					\$0	\$0	\$0	\$0
Power Factor Adjustment					(\$151)	(\$45)	(\$285)	(\$168)
Total Base Revenue Per Month					\$15,048	\$4,665	\$28,295	\$16,982
Fuel Oil Adjustment					\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)					\$0	\$0	\$0	\$0
IRP Adjustment					\$0	\$0	\$0	\$0
DSM Adjustment					\$0	\$0	\$0	\$0
Total Revenue Per Month					\$15,048	\$4,665	\$28,295	\$16,982
Total Revenue Per Year (\$000s)					\$180.6	\$56.0	\$339.5	\$203.8
Rider Adjustment (\$000s/Yr)						(\$124.6)		(\$135.7)

Source: CSD Data Sheets

	Data Period	# Mos	on-peak Kwm	Kwm	U kWb	kWh	on-peak kWh	off-peak kWh	kvarhr	PF %
Kapiolani Hospital	1/05-12/05	12	81	597.3	91	117287	493	116793	54953	91
Mid-Pacific Institute	1/05-12/05	12	40.6	284.3	40.6	36033	3073	32960	18707	89
St Francis Liliha	1/05-12/05	12	22.5	365.8	36.5	81227	1313	79913	23087	96
St Francis West	1/05-12/05	12	3	614	25.0	135220	280	134940	46660	95

Based on Avg Parameters		J at Proposed a	PS at Proposed b	All on-peak is mid-peak J-TOU c	Mod U d	Save vs J at Propsd e = a - d	Save vs J at Present f	Mod U at Present g	Mod U Bill Incr h
2002496	Kapiolani Hospital	\$18,500.43	\$21,129.77	\$8,944.08	\$10,249.02	\$8,251.41	\$8,296.60	\$8,285.89	24%
3001203	Mid Pacific Institute	\$6,589.32	\$8,653.51	\$3,106.75	\$3,753.16	\$2,836.16	\$2,670.25	\$3,049.29	23%
3002860	St Francis Hospital Liliha	\$12,258.75	\$13,852.47	\$5,959.13	\$6,711.17	\$5,547.58	\$5,704.03	\$5,389.29	25%
3003070	St Francis Hospital West	\$20,435.29	\$22,883.76	\$9,482.37	\$10,202.10	\$10,233.18	\$10,341.36	\$8,143.08	25%
Avg Sch PS				0.090063	U on-peak U off-peak	0.110063 0.070000	0.020000 -0.020063		

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	
	<u>MWH</u>	<u>¢/kWh</u>		<u>¢/kWh</u>		
<u>ENERGY CHARGE:</u>	40,500	7.7422	\$3,135.6	16.5324	\$6,695.6	
	<u>kW</u>	<u>\$/kW</u>		<u>\$/kW</u>		
<u>DEMAND CHARGE:</u>	74,222	9.00	\$668.0	10.00	\$742.2	
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>		<u>\$/month</u>		
1 PHASE	2,721	20.00	\$54.4	25.00	\$68.0	
3 PHASE	<u>6,231</u>	45.00	<u>\$280.4</u>	60.00	<u>\$373.9</u>	
SUBTOTAL	8,952		\$334.8		\$441.9	
ADJUSTMENTS		<u>Rate</u>		<u>Rate</u>		
FUEL OIL ADJUSTMENT:		7.299 ¢/KWH	\$2,956.1	- ¢/KWH	\$0.0	
RATE ADJUSTMENT (AES REFUND):		(0.406) (%)	(\$16.8)	- (%)	\$0.0	
MISCELLANEOUS **			<u>\$0.0</u>		<u>(\$6.0)</u>	
TOTAL REVENUES			\$7,077.7		\$7,873.7	
INTERIM RATE INCREASE REVENUES			\$276.4		\$0.0	
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			<u>\$7,354.1</u>		<u>\$7,873.7</u>	

SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS

	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>
<u>RECORDED:</u>				
RATE H:	<u>11,481</u>	<u>100.0</u>	<u>52,468</u>	<u>100.0</u>
TOTAL	11,481	100.0	52,468	100.0

	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
<u>FORECASTS:</u>				
RATE H:	<u>100.0</u>	<u>8,952</u>	<u>100.0</u>	<u>40,500</u>
TOTAL	100.0	8,952	100.0	40,500

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 104 OF 152
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS BY SERVICE PHASE

	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>BILLED KW</u>	<u>KWH/KW</u>
<u>RECORDED:</u>				
RATE H:				
1 PHASE	3,488	30.4	17,492.1	
3 PHASE	<u>7,993</u>	<u>69.6</u>	<u>78,663.9</u>	
TOTAL	11,481	100.0	96,156.0	
<u>RATES H TOTAL</u>				
1 PHASE	3,488	30.4	17,492.1	
3 PHASE	<u>7,993</u>	<u>69.6</u>	<u>78,663.9</u>	
TOTAL	11,481	100.0	96,156.0	545.66
	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>		
<u>FORECASTS:</u>				
1 PHASE	30.4	2,721		
3 PHASE	<u>69.6</u>	<u>6,231</u>		
TOTAL	100.0	8,952	74,222	

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

DETERMINATION OF TEST-YEAR BILLS BY SERVICE PHASE

	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>
<u>FORECAST:</u>		
<u>RATE H:</u>		
1 PHASE	30.4	2,721
3 PHASE	<u>69.6</u>	<u>6,231</u>
TOTAL	100.0	8,952

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>	
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>		<u>¢/kWh</u>	
0 - 200 KWH/KW	366,774	7.2087	\$26,439.6	14.1560	\$51,920.5
201 - 400 KWH/KW	338,271	6.4104	\$21,684.5	13.3577	\$45,185.2
> 400 KWH/KW	<u>130,812</u>	<u>6.1010</u>	<u>\$7,980.8</u>	<u>13.0485</u>	<u>\$17,069.0</u>
SUBTOTAL	835,857		\$56,104.9		\$114,174.7
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>		<u>\$/kW</u>	
0 - 500 KW	1,034,937	10.00	\$10,349.4	20.00	\$20,698.7
501 - 1500 KW	479,646	9.50	\$4,556.6	19.50	\$9,353.1
> 1500 KW	367,120	8.50	\$3,120.5	18.50	\$6,791.7
	-----		-----		-----
SUBTOTAL	1,881,703		\$18,026.5		\$36,843.5
	<u>BILLS</u>	<u>\$/month</u>		<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	2,303	320.00	\$737.0	350.00	\$806.1
<u>ADJUSTMENTS:</u>					
MISCELLANEOUS **			(\$516.2)		(\$1,133.2)
Fuel Oil Adjustment	¢/kWh	7.299	\$61,009.2	-	\$0.0
Rate Adjustment (AES Refund)	%	-0.406%	(\$301.9)	-	\$0.0
TOTAL REVENUE			<u>\$135,059.5</u>		<u>\$150,691.1</u>
INTERIM RATE INCREASE REVENUES			\$5,687.9		\$0.0
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			<u>\$140,747.4</u>		<u>\$150,691.1</u>

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 107 OF 152
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DISTRIBUTION OF SALES & BILLS
BY VOLTAGE SUPPLY SERVICE

<u>RECORDED:</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>	<u>GVARH</u>
PT1	48	1.1	176,509	5.7	24.918397
PT2	-	0.0	0	0.0	0.000000
PP3	1,845	43.2	2,043,078	66.4	564.711787
PP4	89	2.1	20,902	0.7	5.168016
PS5	190	4.4	154,413	5.0	43.961400
PS	<u>2,103</u>	<u>49.2</u>	<u>680,486</u>	<u>22.2</u>	<u>272.886220</u>
TOTAL	4,275	100.0	3,075,389	100.0	911.645820

<u>FORECASTS:</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
PT1	1.1	47	5.7	175,161
PT2	0.0	-	0.0	0
PP3	43.2	1,856	66.4	2,040,472
PP4	2.1	90	0.7	21,511
PS5	4.4	189	5.0	153,650
PS	<u>49.2</u>	<u>2,114</u>	<u>22.2</u>	<u>682,206</u>
TOTAL	100.0	4,296	100.0	3,073,000

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 108 OF 152
 SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
 DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF TEST-YEAR BILLING KW
 BY VOLTAGE SUPPLY SERVICE

<u>TYPE OF CUSTOMERS:</u>	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	<u>KWH/KW</u>
PT1	286,539	616.00	284,352	616.00
PT2	-	-	-	-
PP3	4,126,052	495.17	4,120,750	495.17
PP4	41,061	509.06	42,256	509.06
PS5	401,830	384.28	399,839	384.28
PS	<u>1,478,133</u>	<u>460.37</u>	<u>1,481,865</u>	<u>460.37</u>
TOTAL	6,333,615.3	485.57	6,329,062	485.57

HECO-WP-2016
DOCKET NO. 2006-0386

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 109 OF 152
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PS5 CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN <u>EA. BLOCK</u>	UNITS BILLED IN <u>EA. BLOCK</u>
<u>DEMAND CHARGE:</u>				
0 - 500 KW	23.63	23.63	23.63	94,482
501 - 1500 KW	70.90	63.31	39.68	158,656
> 1500 KW		100.00	<u>36.69</u>	<u>146,701</u>
TOTAL			100.00	399,839
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW		49.08	49.08	75,411
201 - 400 KWH/KW		91.48	42.40	65,148
> 400 KWH/KW		100.00	<u>8.52</u>	<u>13,090</u>
TOTAL			100.00	153,650
<u>FORECASTS:</u>				
SALES, MWH	153,650			
BILLS	189			
KW	399,839			
KWH/BILL	812,963			
KW/BILL	2,116			

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF REVENUES AND NETWORK ADJ. FOR NETWORK SERVICE

Rate Block	Billing Units	PRESENT RATES		PROPOSED RATES	
		Unit Price	Revenues \$000s	Unit Price	Revenues \$000s
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/kW</u>		<u>\$/kW</u>	
0 - 500 KW	94,482	10.00	\$944.8	20.00	\$1,889.6
501 - 1500 KW	158,656	9.50	\$1,507.2	19.50	\$3,093.8
> 1500 KW	146,701	8.50	\$1,247.0	18.50	\$2,714.0
SUBTOTAL	399,839		\$3,699.0		\$7,697.4
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>		<u>¢/kWh</u>	
0 - 200 KWH/KW	75,411	7.2087	\$5,436.2	14.1560	\$10,675.2
201 - 400 KWH/KW	65,148	6.4104	\$4,176.2	13.3577	\$8,702.3
> 400 KWH/KW	13,090	6.1010	\$798.6	13.0485	\$1,708.0
SUBTOTAL	153,649		\$10,411.0		\$21,085.5
Total Demand & Energy			\$14,110.0		\$28,782.9
<u>Supply Voltage Adj.</u>		<u>% Adj.</u>		<u>% Adj.</u>	
Network Adjustment		0.9	\$127.0	0.9	\$259.0

HECO-WP-2016
DOCKET NO. 2006-0386

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 111 OF 152
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PS CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN EA. BLOCK	UNITS BILLED IN EA. BLOCK
<u>DEMAND CHARGE:</u>				
0 - 500 KW	61.19	55.00	55.00	1,034,937
501 - 1500 KW	183.58	80.49	25.49	479,646
> 1500 KW		100.00	19.51	367,120
TOTAL			100.00	1,881,704
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW		43.88	43.88	366,774
201 - 400 KWH/KW		84.35	40.47	338,271
> 400 KWH/KW		100.00	15.65	130,812
TOTAL			100.00	835,856
<u>FORECASTS:</u>				
SALES, MWH	835,856			
BILLS	2,303			
KW	1,881,704			
KWH/BILL	362,942			
KW/BILL	817			

HECO-WP-2016
DOCKET NO. 2006-0386

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 112 OF 152
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF POWER FACTOR ADJUSTMENT

	Recorded	Forecast
Kwh	834,898,806	
Kvarhrs	316,847,620	
POWER FACTOR CALCULATED	93.49	93.49

	<u>Present Rates</u>	<u>Proposed Rates</u>
CALCULATED PF (%)	93.0	93.0
BASE PF (%)	<u>85.0</u>	<u>85.0</u>
DIFFERENCE	(8.0)	(8.0)
ADJ. FOR EA. 1% DIFF.	0.001	0.001
PF ADJUSTMENT RATE	(0.008)	(0.008)
Demand + Energy Charges	\$74,131.4	\$151,018.2
POWER FACTOR ADJUSTMENT	(\$593.1)	(\$1,208.1)

**SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE AT PRESENT RATES**

<u>RIDER M(B)</u>	<u>PRESENT (\$1000s)</u>	<u>PROPOSED (\$1000s)</u>
Rider Mb PS1	(\$1.7)	(\$3.1)
Rider Mb PS2	(\$16.2)	(\$29.4)
Rider Mb PS3	(\$5.2)	(\$9.5)
Rider Mb PS4	(\$25.3)	(\$48.0)
TOTAL	(\$48.4)	(\$90.0)
 <u>RIDER I</u>	 <u>PRESENT (\$1000s)</u>	 <u>PROPOSED (\$1000s)</u>
TOTAL	\$0.0	\$0.0
 <u>RIDER T</u>	 <u>PRESENT (\$1000s)</u>	 <u>PROPOSED (\$1000s)</u>
Rider T PS1	(\$1.7)	(\$2.4)
TOTAL	(\$1.7)	(\$2.4)
 <u>RULE 4 CHP CUSTOMERS</u>	 <u>PRESENT (\$1000s)</u>	 <u>PROPOSED (\$1000s)</u>
TOTAL	\$0.0	\$0.0

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:						
Curtailable Load		16.2				
Billing kW	671.4	659.2				
kWh Per Month	317,600	317,600				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	89	89				
kVarhr Per Month	160,240	160,240				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	134,280	131,840	\$9,680	\$9,504	\$19,009	\$18,663
201 - 400 kWh/kW	134,280	131,840	\$8,608	\$8,451	\$17,937	\$17,611
>400 kWh/kW	49,040	53,920	\$2,992	\$3,290	\$6,399	\$7,036
Subtotal	317,600	317,600	\$21,280	\$21,245	\$43,345	\$43,310
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$5,000	\$5,000	\$10,000	\$10,000
501 - 1500 kWb	171.4	159.2	\$1,628	\$1,512	\$3,342	\$3,104
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	671.4	659.2	\$6,628	\$6,512	\$13,342	\$13,104
Customer Charge			\$320	\$320	\$350	\$350
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$112)	(\$111)	(\$227)	(\$226)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$28,116	\$27,976	\$56,810	\$56,548
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$28,116	\$27,976	\$56,810	\$56,548
Total Revenue Per Year (\$000s)			\$337.4	\$335.7	\$681.7	\$678.6
Rider Adjustment (\$000s/Yr)				(\$1.7)		(\$3.1)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:						
Curtailable Load		149.0				
Billing kW	769.0	657.2				
kWh Per Month	335,567	335,567				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	100	100				
kVarhr Per Month	24,033	24,033				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	153,800	131,440	\$11,087	\$9,475	\$21,772	\$18,607
201 - 400 kWh/kW	153,800	131,440	\$9,859	\$8,426	\$20,544	\$17,557
>400 kWh/kW	27,967	72,687	\$1,706	\$4,435	\$3,649	\$9,485
Subtotal	335,567	335,567	\$22,652	\$22,336	\$45,965	\$45,649
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$5,000	\$5,000	\$10,000	\$10,000
501 - 1500 kWb	269.0	157.2	\$2,556	\$1,493	\$5,246	\$3,065
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	769.0	657.2	\$7,556	\$6,493	\$15,246	\$13,065
Customer Charge			\$320	\$320	\$350	\$350
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$453)	(\$432)	(\$918)	(\$881)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$30,075	\$28,727	\$60,643	\$58,193
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$30,075	\$28,727	\$60,643	\$58,193
Total Revenue Per Year (\$000s)			\$360.9	\$344.7	\$727.7	\$698.3
Rider Adjustment (\$000s/Yr)				(\$16.2)		(\$29.4)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS3

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:						
Curtailable Load		47.6				
Billing kW	877.2	841.5				
kWh Per Month	400,480	400,480				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	81	81				
kVarhr Per Month	286,380	286,380				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	175,440	168,300	\$12,647	\$12,132	\$24,835	\$23,825
201 - 400 kWh/kW	175,440	168,300	\$11,246	\$10,789	\$23,435	\$22,481
>400 kWh/kW	49,600	63,880	\$3,026	\$3,897	\$6,472	\$8,335
Subtotal	400,480	400,480	\$26,919	\$26,818	\$54,742	\$54,641
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$5,000	\$5,000	\$10,000	\$10,000
501 - 1500 kWb	377.2	341.5	\$3,583	\$3,244	\$7,355	\$6,659
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	877.2	841.5	\$8,583	\$8,244	\$17,355	\$16,659
Customer Charge			\$320	\$320	\$350	\$350
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			\$142	\$140	\$288	\$285
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$35,964	\$35,532	\$72,735	\$71,945
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$35,964	\$35,532	\$72,735	\$71,945
Total Revenue Per Year (\$000s)			\$431.6	\$426.4	\$872.8	\$863.3
Rider Adjustment (\$000s/Yr)				(\$5.2)		(\$9.5)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS4

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:						
Curtailable Load		251.2				
Billing kW	1,220.1	1,031.7				
kWh Per Month	345,990	345,990				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	76	76				
kVarhr Per Month	235,600	235,600				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	244,020	206,340	\$17,591	\$14,874	\$34,543	\$29,209
201 - 400 kWh/kW	101,970	139,650	\$6,537	\$8,952	\$13,621	\$18,654
>400 kWh/kW	0	0	\$0	\$0	\$0	\$0
Subtotal	345,990	345,990	\$24,128	\$23,826	\$48,164	\$47,863
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$5,000	\$5,000	\$10,000	\$10,000
501 - 1500 kWb	720.1	531.7	\$6,841	\$5,051	\$14,042	\$10,368
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	1,220.1	1,031.7	\$11,841	\$10,051	\$24,042	\$20,368
Customer Charge			\$320	\$320	\$350	\$350
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			\$324	\$305	\$650	\$614
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$36,613	\$34,512	\$73,206	\$69,205
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$36,613	\$34,512	\$73,206	\$69,205
Total Revenue Per Year (\$000s)			\$439.4	\$414.1	\$878.5	\$830.5
Rider Adjustment (\$000s/Yr)				(\$25.3)		(\$48.0)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider T PS1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PS	Rider T	Sch. PS	Rider T	Sch. PS	Rider T
Billing Load Per Month:						
Curtailable Load						
Billing kW	1,053.7	1,047.3				
kWh Per Month	509,100	509,100				
On-Peak kWh		304,033				
Off-Peak kWh		205,067				
Power Factor	88	88				
kVarhr Per Month	279,100	279,100				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	210,740	209,460	\$15,192	\$15,099	\$29,832	\$29,651
201 - 400 kWh/kW	210,740	209,460	\$13,509	\$13,427	\$28,150	\$27,979
>400 kWh/kW	87,620	90,180	\$5,346	\$5,502	\$11,433	\$11,767
Subtotal	509,100	509,100	\$34,047	\$34,028	\$69,415	\$69,397
On-Peak Surcharge		304,033		\$6,081		\$6,081
Off-Peak Credit		205,067		(\$6,152)		(\$6,152)
Rider T Energy Charge Adjustment		509,100		(\$71)		(\$71)
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$5,000	\$5,000	\$10,000	\$10,000
501 - 1500 kWb	553.7	547.3	\$5,260	\$5,199	\$10,797	\$10,672
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	1,053.7	1,047.3	\$10,260	\$10,199	\$20,797	\$20,672
Customer Charge			\$320	\$320	\$350	\$350
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$133)	(\$133)	(\$271)	(\$270)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$44,494	\$44,353	\$90,291	\$90,088
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$44,494	\$44,353	\$90,291	\$90,088
Total Revenue Per Year (\$000s)			\$533.9	\$532.2	\$1,083.5	\$1,081.1
Rider Adjustment (\$000s/Yr)				(\$1.7)		(\$2.4)

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>	
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>		<u>c/kWh</u>	
0 - 200 KWH/KW	797,782	7.0715	\$56,415.2	14.5773	\$116,295.1
201 - 400 KWH/KW	744,994	6.2884	\$46,848.2	13.7944	\$102,767.5
> 400 KWH/KW	<u>519,207</u>	<u>5.9849</u>	<u>\$31,074.0</u>	<u>13.4907</u>	<u>\$70,044.7</u>
SUBTOTAL	2,061,983		\$134,337.4		\$289,107.3
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>		<u>\$/kW</u>	
0 - 500 KW	924,187	9.81	\$9,066.3	18.50	\$17,097.5
501 - 1500 KW	899,626	9.32	\$8,384.5	18.00	\$16,193.3
> 1500 KW	<u>2,339,193</u>	<u>8.34</u>	<u>\$19,508.9</u>	<u>17.00</u>	<u>\$39,766.3</u>
SUBTOTAL	4,163,006		\$36,959.7		\$73,057.1
Billing Demand Credit	1,698,643			-1.75	(\$2,972.6)
	<u>BILLS</u>	<u>\$/month</u>		<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	1,946	320.00	\$622.7	400.00	\$778.4
<u>ADJUSTMENTS:</u>	<u>(MWH)</u>	<u>c/kWh</u>		<u>c/kWh</u>	
MISCELLANEOUS **			(\$2,633.2)		(\$5,562.7)
Fuel Oil Adjustment	c/kWh	7.299	\$150,504.1	-	\$0.0
Rate Adjustment (AES Refund)	%	-0.406%	(\$687.3)	-	\$0.0
TOTAL REVENUE			<u>\$319,103.4</u>		<u>\$354,407.5</u>
INTERIM RATE INCREASE REVENUES			\$11,917.8		\$0.0
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			<u>\$331,021.2</u>		<u>\$354,407.5</u>

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

DISTRIBUTION OF SALES & BILLS
BY VOLTAGE SUPPLY SERVICE

<u>RECORDED:</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>	<u>GVARH</u>
PT1	48	1.1	176,509	5.7	24.918397
PT2	-	0.0	0	0.0	0.000000
PP3	1,845	43.2	2,043,078	66.4	564.711787
PP4	89	2.1	20,902	0.7	5.168016
PS5	190	4.4	154,413	5.0	43.961400
PS	<u>2,103</u>	<u>49.2</u>	<u>680,486</u>	<u>22.2</u>	<u>272.886220</u>
TOTAL	4,275	100.0	3,075,389	100.0	911.645820

<u>FORECASTS:</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
PT1	1.1	47	5.7	175,161
PT2	0.0	-	0.0	0
PP3	43.2	1,856	66.4	2,040,472
PP4	2.1	90	0.7	21,511
PS5	4.4	189	5.0	153,650
PS	<u>49.2</u>	<u>2,114</u>	<u>22.2</u>	<u>682,206</u>
TOTAL	100.0	4,296	100.0	3,073,000

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

DETERMINATION OF TEST-YEAR BILLING KW
BY VOLTAGE SUPPLY SERVICE

<u>TYPE OF CUSTOMERS:</u>	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	<u>KWH/KW</u>
PT1	286,539	616.00	284,352	616.00
PT2	-	-	-	-
PP3	4,126,052	495.17	4,120,750	495.17
PP4	41,061	509.06	42,256	509.06
PS5	401,830	384.28	399,839	384.28
PS	<u>1,478,133</u>	<u>460.37</u>	<u>1,481,865</u>	<u>460.37</u>
TOTAL	6,333,615.3	485.57	6,329,062	485.57

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PP CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN <u>EA. BLOCK</u>	UNITS BILLED IN <u>EA. BLOCK</u>
<u>DEMAND CHARGE:</u>				
0 - 500 KW	23.37	22.20	22.20	924,187
501 - 1500 KW	70.12	43.81	21.61	899,626
> 1500 KW		100.00	<u>56.19</u>	<u>2,339,193</u>
TOTAL			100.00	4,163,006
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW		38.69	38.69	797,782
201 - 400 KWH/KW		74.82	36.13	744,994
> 400 KWH/KW		100.00	<u>25.18</u>	<u>519,207</u>
TOTAL			100.00	2,061,983
<u>FORECASTS:</u>				
SALES, MWH	2,061,983			
BILLS	1,946			
KW	4,163,006			
KWH/BILL	1,059,600.72			
KW/BILL	2,139.26			

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 123 OF 152
DOCKET NO. 04-0113 TEST-YEAR: 2005
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DETERMINATION OF POWER FACTOR ADJUSTMENT

	Recorded	Forecast
KWH	2,063,980,755	
KVARHR	569,879,803	
POWER FACTOR	95.0000	95.0000

	<u>Present Rates</u>	<u>Proposed Rates</u>
CALCULATED PF (%)	95.0	95.0
BASE PF (%)	85.0	85.0
DIFFERENCE	(10.0)	(10.0)
ADJ. FOR EA. 1% DIFF.	0.001	0.001
PF ADJUSTMENT RATE	(0.010)	(0.010)
TOTAL DMD/ENERGY CHR.	\$171,297.1	\$362,164.4
POWER FACTOR ADJ.	(\$1,713.0)	(\$3,621.6)

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PP4 CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN <u>EA. BLOCK</u>	UNITS BILLED IN <u>EA. BLOCK</u>
<u>DEMAND CHARGE:</u>				
0 - 500 KW	106.49	87.72	87.72	3,651,789
501 - 1500 KW	319.48	100.00	12.28	511,217
> 1500 KW				-
TOTAL			100.00	4,163,006
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW		39.08	39.08	805,823
201 - 400 KWH/KW		77.95	38.87	801,493
> 400 KWH/KW		100.00	22.05	454,667
TOTAL			100.00	2,061,983
<u>FORECASTS:</u>				
SALES, MWH	21,511			
BILLS	90			
KW	42,256			
KWH/BILL	239,011.11			
KW/BILL	469.51			

Hawaiian Electric Company, Inc.
Docket No. 04-0113 TY 2005
Schedule PP - Large Power Primary Voltage Service
Determination of Secondary Metering Adjustment for PP4 Service At Proposed

RATE BLOCKS	BILLING UNITS	SCHEDULE PP PROPOSED RATES	
		Unit Price	Revenues \$000s
<u>DEMAND CHARGE:</u>	<u>Kw</u>	<u>\$/Kw</u>	
0 - 500 KW	37,067.0	18.50	\$685.7
> 500 KW	5,189.0	18.00	\$93.4
SUBTOTAL	42,256.0		\$779.1
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/KWh</u>	
0 - 200 KWH/KW	8,406.0	14.5773	\$1,225.4
201 - 400 KWH/KW	8,362.0	13.7944	\$1,153.5
> 400 KWH/KW	4,743.0	13.4907	\$639.9
SUBTOTAL	21,511.0		<u>\$3,018.8</u>
Total Energy & Demand			\$3,797.9
Customer Charge	90	400.00	\$36.0
		<u>¢/KWh</u>	
Sec. Metering Adj.	0.016	0.2825	\$60.8
Total Revenues			<u><u>\$3,894.7</u></u>

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 126 OF 152

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>	
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>		<u>¢/kWh</u>	
0 - 200 KWH/KW	797,782	7.0715	\$56,415.2	14.5773	\$116,295.1
201 - 400 KWH/KW	744,994	6.2884	\$46,848.2	13.7944	\$102,767.5
> 400 KWH/KW	519,207	5.9849	\$31,074.0	13.4907	\$70,044.7
SUBTOTAL	2,061,983		\$134,337.4		\$289,107.3
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>		<u>\$/kW</u>	
0 - 500 KW	924,187	9.81	\$9,066.3	18.50	\$17,097.5
501 - 1500 KW	899,626	9.32	\$8,384.5	18.00	\$16,193.3
> 1500 KW	2,339,193	8.34	\$19,508.9	17.00	\$39,766.3
SUBTOTAL	4,163,006		\$36,959.7		\$73,057.1
Billing Demand Credit	1,698,643			-1.75	(\$2,972.6)
	<u>BILLS</u>	<u>\$/month</u>		<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	1,946	320.00	\$622.7	400.00	\$778.4
<u>ADJUSTMENTS:</u>	<u>(MWH)</u>	<u>¢/kWh</u>		<u>¢/kWh</u>	
POWER FACTOR ADJ.			(\$1,713.0)		(\$3,621.6)
SECONDARY METERING ADJ.	21,511	0.1081	\$23.3	0.2825	\$60.8
Schedule E Adjustment			\$0.0		(\$204.8)
SUBTOTAL			(\$1,689.7)		(\$3,765.6)
UNADJUSTED BASE REVENUE			\$170,230.1		\$356,204.6
RATE RIDER & OTHER REVENUE ADJ.					
RIDER M (B)			(\$757.8)		(\$1,468.2)
RIDER I			(\$112.9)		(\$199.4)
MULTIPLE RIDERS			(\$72.8)		(\$129.5)
Total Rate Rider & Other Revenue Adjustments			(\$943.5)		(\$1,797.1)
Total Base Revenue			\$169,286.6		\$354,407.5
Fuel Oil Adjustment	¢/kWh	7.299	\$150,504.1	-	\$0.0
Rate Adjustment (AES Refund)	%	-0.406%	(\$687.3)	-	\$0.0
TOTAL REVENUE			\$319,103.4		\$354,407.5
INTERIM RATE INCREASE REVENUES			\$11,917.8		\$0.0
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$331,021.2		\$354,407.5

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 127 OF 152
 SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
 BASED ON DOCKET NO. 04-0113 TEST-YEAR: 2005

SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
 FOR RIDER SERVICE

<u>RIDER M(B)</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>PROPOSED</u> <u>(\$1000s)</u>
Rider Mb PP1	(\$13.6)	(\$23.4)
Rider Mb PP2	(\$0.4)	(\$0.8)
Rider Mb PP3	(\$3.5)	(\$6.0)
Rider Mb PP4	(\$453.3)	(\$924.1)
Rider Mb PP5	(\$66.0)	(\$122.8)
Rider Mb PP6	(\$35.1)	(\$60.4)
Rider Mb PP7	(\$92.9)	(\$165.2)
Rider Mb PP8	(\$93.0)	(\$165.5)
 TOTAL	 (\$757.8)	 (\$1,468.2)
 <u>RIDER I</u>	 <u>PRESENT</u> <u>(\$1000s)</u>	 <u>PROPOSED</u> <u>(\$1000s)</u>
Rider I PP1	(\$31.7)	(\$54.4)
Rider I PP2	(\$81.2)	(\$145.0)
TOTAL	(\$112.9)	(\$199.4)
 <u>MULTIPLE RIDERS</u>	 <u>PRESENT</u> <u>(\$1000s)</u>	 <u>PROPOSED</u> <u>(\$1000s)</u>
RiderMult PP1	(\$1.3)	(\$2.4)
RiderMult PP2	(\$71.5)	(\$127.1)
 TOTAL	 (\$72.8)	 (\$129.5)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		126.0				
Billing kW	854.0	759.5				
kWh Per Month	396,133	396,133				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	87	87				
kVarhr Per Month	128,000	128,000				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	170,800	151,900	\$12,078	\$10,742	\$24,898	\$22,143
201 - 400 kWh/kW	170,800	151,900	\$10,741	\$9,552	\$23,561	\$20,954
>400 kWh/kW	54,533	92,333	\$3,264	\$5,526	\$7,357	\$12,456
Subtotal	396,133	396,133	\$26,083	\$25,820	\$55,816	\$55,553
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	354.0	259.5	\$3,299	\$2,419	\$6,372	\$4,671
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	854.0	759.5	\$8,204	\$7,324	\$15,622	\$13,921
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$69)	(\$66)	(\$143)	(\$139)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$34,538	\$33,408	\$71,695	\$69,745
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$34,538	\$33,408	\$71,695	\$69,745
Total Revenue Per Year (\$000s)			\$414.5	\$400.9	\$860.3	\$836.9
Rider Adjustment (\$000s/Yr)				(\$13.6)		(\$23.4)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtaillable Load		4.8				
Billing kW	793.5	789.9				
kWh Per Month	474,100	474,100				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	98	98				
kVarhr Per Month	92,450	92,450				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	158,700	157,980	\$11,222	\$11,172	\$23,134	\$23,029
201 - 400 kWh/kW	158,700	157,980	\$9,980	\$9,934	\$21,892	\$21,792
>400 kWh/kW	156,700	158,140	\$9,378	\$9,465	\$21,140	\$21,334
Subtotal	474,100	474,100	\$30,580	\$30,571	\$66,166	\$66,155
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	293.5	289.9	\$2,735	\$2,702	\$5,283	\$5,218
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	793.5	789.9	\$7,640	\$7,607	\$14,533	\$14,468
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$497)	(\$496)	(\$1,049)	(\$1,048)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$38,043	\$38,012	\$80,050	\$79,985
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$38,043	\$38,012	\$80,050	\$79,985
Total Revenue Per Year (\$000s)			\$456.5	\$456.1	\$960.6	\$959.8
Rider Adjustment (\$000s/Yr)				(\$0.4)		(\$0.8)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP3

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		32.3				
Billing kW	337.1	312.9				
kWh Per Month	179,583	179,583				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	97	97				
kVarhr Per Month	46,750	46,750				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	67,420	62,580	\$4,768	\$4,425	\$9,828	\$9,122
201 - 400 kWh/kW	67,420	62,580	\$4,240	\$3,935	\$9,300	\$8,633
>400 kWh/kW	44,743	54,423	\$2,678	\$3,257	\$6,036	\$7,342
Subtotal	179,583	179,583	\$11,686	\$11,617	\$25,164	\$25,097
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	337.1	312.9	\$3,307	\$3,070	\$6,236	\$5,789
501 - 1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	337.1	312.9	\$3,307	\$3,070	\$6,236	\$5,789
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$180)	(\$176)	(\$377)	(\$371)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$15,133	\$14,841	\$31,423	\$30,925
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$15,133	\$14,841	\$31,423	\$30,925
Total Revenue Per Year (\$000s)			\$181.6	\$178.1	\$377.1	\$371.1
Rider Adjustment (\$000s/Yr)				(\$3.5)		(\$6.0)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP4

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		6,120.0				
Billing kW	57,399.0	52,809.0				
kWh Per Month	0	0				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	98	98				
kVarhr Per Month	7,406,000	7,406,000				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	0	0	\$0	\$0	\$0	\$0
201 - 400 kWh/kW	0	0	\$0	\$0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0	\$0	\$0
Subtotal	0	0	\$0	\$0	\$0	\$0
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	1,000.0	1,000.0	\$9,320	\$9,320	\$18,000	\$18,000
>1500 kWb	55,899.0	51,309.0	\$466,198	\$427,917	\$950,283	\$872,253
Subtotal	57,399.0	52,809.0	\$480,423	\$442,142	\$977,533	\$899,503
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$6,245)	(\$5,748)	(\$12,708)	(\$11,694)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$474,498	\$436,724	\$965,225	\$888,219
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$474,498	\$436,724	\$965,225	\$888,219
Total Revenue Per Year (\$000s)			\$5,694.0	\$5,240.7	\$11,582.7	\$10,658.6
Rider Adjustment (\$000s/Yr)				(\$453.3)		(\$924.1)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP5

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		737.0				
Billing kW	2,360.7	1,807.9				
kWh Per Month	756,000	756,000				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	97	97				
kVarhr Per Month	376,600	376,600				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	472,140	361,580	\$33,387	\$25,569	\$68,825	\$52,709
201 - 400 kWh/kW	283,860	361,580	\$17,850	\$22,738	\$39,157	\$49,878
>400 kWh/kW	0	32,840	\$0	\$1,965	\$0	\$4,430
Subtotal	756,000	756,000	\$51,237	\$50,272	\$107,982	\$107,017
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	1,000.0	1,000.0	\$9,320	\$9,320	\$18,000	\$18,000
>1500 kWb	860.7	307.9	\$7,178	\$2,568	\$14,632	\$5,234
Subtotal	2,360.7	1,807.9	\$21,403	\$16,793	\$41,882	\$32,484
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$872)	(\$805)	(\$1,798)	(\$1,674)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$72,088	\$66,590	\$148,466	\$138,237
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$72,088	\$66,590	\$148,466	\$138,237
Total Revenue Per Year (\$000s)			\$865.1	\$799.1	\$1,781.6	\$1,658.8
Rider Adjustment (\$000s/Yr)				(\$66.0)		(\$122.8)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP6

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		325.2				
Billing kW	1,411.8	1,167.9				
kWh Per Month	755,800	755,800				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	90	90				
kVarhr Per Month	367,400	367,400				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	282,360	233,580	\$19,967	\$16,518	\$41,160	\$34,050
201 - 400 kWh/kW	282,360	233,580	\$17,756	\$14,688	\$38,950	\$32,221
>400 kWh/kW	191,080	288,640	\$11,436	\$17,275	\$25,778	\$38,940
Subtotal	755,800	755,800	\$49,159	\$48,481	\$105,888	\$105,211
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	911.8	667.9	\$8,498	\$6,225	\$16,412	\$12,022
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	1,411.8	1,167.9	\$13,403	\$11,130	\$25,662	\$21,272
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$313)	(\$298)	(\$658)	(\$632)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$62,569	\$59,643	\$131,292	\$126,261
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$62,569	\$59,643	\$131,292	\$126,261
Total Revenue Per Year (\$000s)			\$750.8	\$715.7	\$1,575.5	\$1,515.1
Rider Adjustment (\$000s/Yr)				(\$35.1)		(\$60.4)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP7

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		939.0				
Billing kW	4,114.7	3,410.4				
kWh Per Month	1,972,800	1,972,800				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	96	96				
kVarhr Per Month	96,550	96,550				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	822,940	682,080	\$58,194	\$48,233	\$119,962	\$99,429
201 - 400 kWh/kW	822,940	682,080	\$51,750	\$42,892	\$113,520	\$94,089
>400 kWh/kW	326,920	608,640	\$19,566	\$36,426	\$44,104	\$82,110
Subtotal	1,972,800	1,972,800	\$129,510	\$127,551	\$277,586	\$275,628
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	1,000.0	1,000.0	\$9,320	\$9,320	\$18,000	\$18,000
>1500 kWb	2,614.7	1,910.4	\$21,807	\$15,933	\$44,450	\$32,477
Subtotal	4,114.7	3,410.4	\$36,032	\$30,158	\$71,700	\$59,727
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$1,821)	(\$1,735)	(\$3,842)	(\$3,689)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$164,041	\$156,304	\$345,844	\$332,076
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$164,041	\$156,304	\$345,844	\$332,076
Total Revenue Per Year (\$000s)			\$1,968.5	\$1,875.6	\$4,150.1	\$3,984.9
Rider Adjustment (\$000s/Yr)				(\$92.9)		(\$165.2)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider Mb PP8

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		943.2				
Billing kW	5,625.6	4,918.2				
kWh Per Month	3,254,400	3,254,400				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	99	99				
kVarhr Per Month	140,600	140,600				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	1,125,120	983,640	\$79,563	\$69,558	\$164,012	\$143,388
201 - 400 kWh/kW	1,125,120	983,640	\$70,752	\$61,855	\$155,204	\$135,687
>400 kWh/kW	1,004,160	1,287,120	\$60,098	\$77,033	\$135,468	\$173,641
Subtotal	3,254,400	3,254,400	\$210,413	\$208,446	\$454,684	\$452,716
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	1,000.0	1,000.0	\$9,320	\$9,320	\$18,000	\$18,000
>1500 kWb	4,125.6	3,418.2	\$34,408	\$28,508	\$70,135	\$58,109
Subtotal	5,625.6	4,918.2	\$48,633	\$42,733	\$97,385	\$85,359
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$3,627)	(\$3,517)	(\$7,729)	(\$7,533)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$255,739	\$247,992	\$544,740	\$530,952
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$255,739	\$247,992	\$544,740	\$530,952
Total Revenue Per Year (\$000s)			\$3,068.9	\$2,975.9	\$6,536.9	\$6,371.4
Rider Adjustment (\$000s/Yr)				(\$93.0)		(\$165.5)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider I PP1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider I	Sch. PP3	Rider I	Sch. PP3	Rider I
Billing Load Per Month:						
Curtailable Load						
Billing kW	1,257.0	1,036.8				
kWh Per Month	760,100	760,100				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	94	94				
kVarhr Per Month	284,100	284,100				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	251,400	207,360	\$17,778	\$14,663	\$36,647	\$30,227
201 - 400 kWh/kW	251,400	207,360	\$15,809	\$13,040	\$34,679	\$28,604
>400 kWh/kW	257,300	345,380	\$15,399	\$20,671	\$34,712	\$46,594
Subtotal	760,100	760,100	\$48,986	\$48,374	\$106,038	\$105,425
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	757.0	536.8	\$7,055	\$5,003	\$13,626	\$9,662
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	1,257.0	1,036.8	\$11,960	\$9,908	\$22,876	\$18,912
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge						
Power Factor Adjustment			(\$549)	(\$525)	(\$1,160)	(\$1,119)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$60,717	\$58,077	\$128,154	\$123,618
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$60,717	\$58,077	\$128,154	\$123,618
Total Revenue Per Year (\$000s)			\$728.6	\$696.9	\$1,537.8	\$1,483.4
Rider Adjustment (\$000s/Yr)				(\$31.7)		(\$54.4)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

Rider I PP2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider I	Sch. PP3	Rider I	Sch. PP3	Rider I
Billing Load Per Month:						
Curtailable Load						
Billing kW	2,332.3	1,717.7				
kWh Per Month	912,600	912,600				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	86	86				
kVarhr Per Month	704,250	704,250				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	466,460	343,540	\$32,986	\$24,293	\$67,997	\$50,079
201 - 400 kWh/kW	446,140	343,540	\$28,055	\$21,603	\$61,542	\$47,389
>400 kWh/kW	0	225,520	\$0	\$13,497	\$0	\$30,424
Subtotal	912,600	912,600	\$61,041	\$59,393	\$129,539	\$127,892
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	1,000.0	1,000.0	\$9,320	\$9,320	\$18,000	\$18,000
>1500 kWb	832.3	217.7	\$6,941	\$1,816	\$14,149	\$3,701
Subtotal	2,332.3	1,717.7	\$21,166	\$16,041	\$41,399	\$30,951
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge						
Power Factor Adjustment			(\$82)	(\$75)	(\$171)	(\$159)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$82,445	\$75,679	\$171,167	\$159,084
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$82,445	\$75,679	\$171,167	\$159,084
Total Revenue Per Year (\$000s)			\$989.3	\$908.1	\$2,054.0	\$1,909.0
Rider Adjustment (\$000s/Yr)				(\$81.2)		(\$145.0)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

RiderMult PP1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Rider M(a&b)	Sch. PP3	Rider M(a&b)	Sch. PP3	Rider M(a&b)
Billing Load Per Month:						
Curtailable Load						
Billing kW	395.7	385.1				
kWh Per Month	134,662	134,662				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	96	96				
kVarhr Per Month	72,236	72,236				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	79,140	77,020	\$5,596	\$5,446	\$11,536	\$11,227
201 - 400 kWh/kW	55,522	57,642	\$3,491	\$3,625	\$7,659	\$7,951
>400 kWh/kW	0	0	\$0	\$0	\$0	\$0
Subtotal	134,662	134,662	\$9,087	\$9,071	\$19,195	\$19,178
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	395.7	385.1	\$3,882	\$3,778	\$7,320	\$7,124
501 - 1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
>1500 kWb	0.0	0.0	\$0	\$0	\$0	\$0
Subtotal	395.7	385.1	\$3,882	\$3,778	\$7,320	\$7,124
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$143)	(\$141)	(\$292)	(\$289)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$13,146	\$13,038	\$26,623	\$26,423
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$13,146	\$13,038	\$26,623	\$26,423
Total Revenue Per Year (\$000s)			\$157.8	\$156.5	\$319.5	\$317.1
Rider Adjustment (\$000s/Yr)				(\$1.3)		(\$2.4)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 04-0113 Test Year: 2005

RiderMult PP2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>Revenues @ Proposed Rates</u>	
	Sch. PP3	Riders M(b)&I	Sch. PP3	Riders M(b)&I	Sch. PP3	Riders M(b)&I
Billing Load Per Month:						
Curtailable Load						
Billing kW	2,011.1	1,474.0				
kWh Per Month	1,187,550	1,187,550				
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	90	90				
kVarhr Per Month	593,100	593,100				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	402,220	294,800	\$28,443	\$20,847	\$58,633	\$42,974
201 - 400 kWh/kW	402,220	294,800	\$25,293	\$18,538	\$55,484	\$40,666
>400 kWh/kW	383,110	597,950	\$22,929	\$35,787	\$51,684	\$80,668
Subtotal	1,187,550	1,187,550	\$76,665	\$75,172	\$165,801	\$164,308
On-Peak Surcharge		0		\$0		\$0
Off-Peak Credit		0		\$0		\$0
Rider T Energy Charge Adjustment		0		\$0		\$0
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905	\$9,250	\$9,250
501 - 1500 kWb	1,000.0	974.0	\$9,320	\$9,078	\$18,000	\$17,532
>1500 kWb	511.1	0.0	\$4,263	\$0	\$8,689	\$0
Subtotal	2,011.1	1,474.0	\$18,488	\$13,983	\$35,939	\$26,782
Customer Charge			\$320	\$320	\$400	\$400
Time-of-Day Metering Charge				\$10		\$10
Power Factor Adjustment			(\$476)	(\$446)	(\$1,009)	(\$955)
kVarhr Charge			\$0	\$0	\$0	\$0
Total Base Revenue Per Month			\$94,997	\$89,039	\$201,131	\$190,545
Fuel Oil Adjustment			\$0	\$0	\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0	\$0	\$0
IRP Adjustment			\$0	\$0	\$0	\$0
DSM Adjustment			\$0	\$0	\$0	\$0
Total Revenue Per Month			\$94,997	\$89,039	\$201,131	\$190,545
Total Revenue Per Year (\$000s)			\$1,140.0	\$1,068.5	\$2,413.6	\$2,286.5
Rider Adjustment (\$000s/Yr)				(\$71.5)		(\$127.1)

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

ESTIMATE OF TEST-YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>	
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWH</u>		<u>¢/kWH</u>	
0 - 200 KWH/KW	55,137	6.9708	\$3,843.5	14.3519	\$7,913.2
201 - 400 KWH/KW	52,510	6.1989	\$3,255.0	13.5799	\$7,130.8
> 400 KWH/KW	67,514	5.8997	<u>\$3,983.1</u>	13.2809	<u>\$8,966.5</u>
SUBTOTAL	175,161		\$11,081.6		\$24,010.5
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>		<u>\$/kW</u>	
0 - 500 KW	22,748	9.67	\$220.0	16.25	\$369.7
501 - 1500 KW	39,496	9.19	\$363.0	15.75	\$622.1
> 1500 KW	222,107	8.22	<u>\$1,825.7</u>	14.75	<u>\$3,276.1</u>
SUBTOTAL	284,351		\$2,408.7		\$4,267.9
	<u>BILLS</u>	<u>\$/month</u>		<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	47	320.00	\$15.0	400.00	\$18.8
<u>ADJUSTMENTS:</u>					
MISCELLANEOUS **			(\$188.9)		(\$409.7)
Fuel Oil Adjustment	¢/kWH	7.299	\$12,785.0	-	\$0.0
Rate Adjustment (AES Refund):	%	-0.406%	<u>(\$54.1)</u>	-	<u>\$0.0</u>
TOTAL REVENUES			\$26,047.3		\$27,887.5
INTERIM RATE INCREASE REVENUES			\$0.0		\$0.0
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			<u>\$26,047.3</u>		<u>\$27,887.5</u>

HECO-WP-2016
DOCKET NO. 2006-0386

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 141 OF 152
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

DISTRIBUTION OF SALES & BILLS
BY VOLTAGE SUPPLY SERVICE

<u>RECORDED:</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>	<u>GVARH</u>
PT1	48	1.1	176,509	5.7	24.918397
PT2	-	0.0	0	0.0	0.000000
PP3	1,845	43.2	2,043,078	66.4	564.711787
PP4	89	2.1	20,902	0.7	5.168016
PS5	190	4.4	154,413	5.0	43.961400
PS	<u>2,103</u>	<u>49.2</u>	<u>680,486</u>	<u>22.2</u>	<u>272.886220</u>
TOTAL	4,275	100.0	3,075,389	100.0	911.645820

<u>FORECASTS:</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
PT1	1.1	47	5.7	175,161
PT2	0.0	-	0.0	0
PP3	43.2	1,856	66.4	2,040,472
PP4	2.1	90	0.7	21,511
PS5	4.4	189	5.0	153,650
PS	<u>49.2</u>	<u>2,114</u>	<u>22.2</u>	<u>682,206</u>
TOTAL	100.0	4,296	100.0	3,073,000

HECO-WP-2016
DOCKET NO. 2006-0386

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 142 OF 152
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

DETERMINATION OF TEST-YEAR BILLING KW
BY VOLTAGE SUPPLY SERVICE

<u>TYPE OF CUSTOMERS:</u>	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	<u>KWH/KW</u>
PT1	286,539	616.00	284,352	616.00
PT2	-	-	-	-
PP3	4,126,052	495.17	4,120,750	495.17
PP4	41,061	509.06	42,256	509.06
PS5	401,830	384.28	399,839	384.28
PS	<u>1,478,133</u>	<u>460.37</u>	<u>1,481,865</u>	<u>460.37</u>
TOTAL	6,333,615.3	485.57	6,329,062	485.57

HECO-WP-2016
DOCKET NO. 2006-0386

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 143 OF 152
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PT1 CUSTOMERS

	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>MWH</u>	<u>% OF TOTAL</u>	<u>MWH</u>	<u>% OF TOTAL</u>
<u>SALES, MWH</u>				
0 - 200 KWH/KW	2,222.1	1.26	2,207	1.26
201 - 400 KWH/KW	19,560.7	11.08	19,408	11.08
> 400 KWH/KW	<u>154,726.2</u>	<u>87.66</u>	<u>153,546</u>	<u>87.66</u>
TOTAL	176,509.0	100.00	175,161	100.00
 <u>KW BILLED</u>				
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	
0 - 200 KWH/KW	19,836.3	112.02	19,702	
201 - 400 KWH/KW	49,960.8	391.52	49,571	
> 400 KWH/KW	<u>216,742.1</u>	<u>713.87</u>	<u>215,079</u>	
TOTAL	286,539.2	616.00	284,352	

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PT1 CUSTOMERS

	<u>LOAD FACTOR BLOCKS (KWH/KW)</u>			
	<u>0 -200</u>	<u>201 - 400</u>	<u>> 400</u>	<u>TOTAL</u>
0 - 200 KWH/KW	2,207	9,914	43,016	55,137
201 - 400 KWH/KW	-	9,494	43,016	52,510
> 400 KWH/KW	-	-	67,514	67,514
	<hr/>	<hr/>	<hr/>	<hr/>
SUBTOTAL	2,207	19,408	153,546	175,161

FORECASTS:

SALES, MWH	2,207	19,408	153,546	175,161
KW	19,702	49,571	215,079	284,352

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PT1 CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN <u>EA. BLOCK</u>	UNITS BILLED IN <u>EA. BLOCK</u>
<u>DEMAND CHARGE:</u>				
0 - 500 KW	8.26	8.00	8.00	22,748
501 - 1500 KW	24.79	21.89	13.89	39,496
> 1500 KW		100.0	<u>78.11</u>	<u>222,107</u>
TOTAL			100.00	284,352
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW				55,137
201 - 400 KWH/KW				52,510
> 400 KWH/KW				<u>67,514</u>
TOTAL				175,161
<u>FORECASTS:</u>				
SALES, MWH	175,161			
BILLS	47			
KW	284,352			
KWH/BILL	3,726,830			
KW/BILL	6,050			

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 146 OF 152
DOCKET NO. 04-0113 TEST-YEAR: 2005
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE

DETERMINATION OF POWER FACTOR ADJUSTMENT

	Recorded	Forecast
KWH	176508964	
KVARHR	24918397	
POWER FACTOR	99.0182	99.0182

	<u>Present Rates</u>	<u>Proposed Rates</u>
CALCULATED PF (%)	99	99
BASE PF (%)	<u>85</u>	<u>85</u>
DIFFERENCE	(14.0)	(14.0)
ADJ. FOR EA. 1% DIFF.	0.001	0.001
PF ADJUSTMENT RATE	(0.014)	(0.014)
TOTAL DMD/ENERGY CHARGES	\$26,505.8	\$28,278.4
POWER FACTOR ADJ.	(\$371.1)	(\$395.9)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATE OF TEST-YEAR REVENUES

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	
<u>CUSTOMER CHARGE:</u>	<u>Bills</u>	<u>\$/month</u>		<u>\$/month</u>		
Customers	5,244	0.00	\$0.0	20.00	\$104.9	
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>		<u>¢/kWh</u>		
0 - 150 KWH/KW	17,464	12.7049	\$2,218.8	22.0105	\$3,843.9	
> 150 KWH/KW	20,336	8.7309	\$1,775.5	18.0368	\$3,668.0	
SUBTOTAL	<u>37,800</u>		<u>\$3,994.3</u>		<u>\$7,511.9</u>	
<u>ADJUSTMENTS:</u>						
MISCELLANEOUS **			\$14.4		\$12.0	
FUEL OIL ADJUSTMENT:		7.299 ¢/kWh	\$2,759.0	- ¢/kWh	\$0.0	
RATE ADJUSTMENT (AES REFUND):		(0.406) (%)	(\$16.3)	- (%)	\$0.0	
TOTAL REVENUES			<u>\$6,751.4</u>		<u>\$7,628.8</u>	
INTERIM RATE INCREASE REVENUES			\$374.0		\$0.0	
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			<u>\$7,125.4</u>		<u>\$7,628.8</u>	

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

DETERMINATION OF TEST-YEAR BILLING LOADS

<u>TOTAL F</u>	<u>RECORDED</u>	<u>FORECASTS</u>
SALES, MWH	33,339.6	37,800
BILLED KW	107,888.3	122,322
KWH/KW	309.02	309.02
NUMBER OF BILLS	4,848	5,244
 <u>SECONDARY METERING</u> (with % surcharge)		
SALES, MWH	5,754.4	6,539
% OF TOTAL	17.3	17.3
BILLED KW	17,431.3	19,808
KWH/KW	330.12	330.12
NUMBER OF BILLS	930	1,007
% OF TOTAL	19.2	19.2

HECO-WP-2016
DOCKET NO. 2006-0386

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 149 OF 152
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

DETERMINATION OF TEST-YEAR BILLING LOADS

<u>BILLING BLOCKS:</u>	<u>CUM AT EA. UPPER LIMIT AS % OF TOTAL</u>	<u>PERCENT OF UNITS BILLED IN EACH BLOCK</u>	<u>MWH BILLED IN EACH BLOCK</u>
0 - 150 KWH/KW	46.2	46.2	17,464
> 150 KWH/KW	<u>100.0</u>	<u>53.8</u>	<u>20,336</u>
TOTAL		100.0	37,800

SECONDARY METERING:

0 - 150 KWH/KW	43.9	43.9	2,871
> 150 KWH/KW	<u>100.0</u>	<u>56.1</u>	<u>3,668</u>
TOTAL		100.0	6,539

HAWAIIAN ELECTRIC COMPANY, INC. PAGE 150 OF 152
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR MINIMUM CHARGE PROVISION

	<u>PRESENT RATES</u>	<u>PROPOSED RATES</u>
MIN CHRG less Cust CHRG.,\$/MO.	35.00	15.00
BASE ENERGY ,\$/KWH	0.127049	0.220105
F.O.A., \$/KWH	0.07299	0.00000
MINIMUM KWH/MO.	174.97	68.15

	<u>PRESENT RATES</u>		<u>PROPOSED RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>				
TOTAL F	33,340	37,800	33,340	37,800
LT/EQ TO MIN. KWH	5.243	6.0	0.134	-
% OF TOTAL	0.016	0.016	0.000	0.000

<u>NUMBER OF BILLS</u>				
TOTAL F	4,848	5,244	4,848	5,244
LT/EQ TO MIN. KWH	50	54	9	10
% OF TOTAL	1.031	1.031	0.186	0.186

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

HECO-WP-2016
DOCKET NO. 2006-0386
PAGE 151 OF 152

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

PRESENT RATES

	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>(MWH)</u>	<u>¢/kWh</u>	
BASE ENERGY CHARGE	6.0	12.7049	\$0.8
FUEL OIL ADJUSTMENT:	6.0	7.299	<u>\$0.4</u>
TOTAL, IF NO MIN CHRG.			\$1.2
	<u>BILLS</u>	<u>\$/Month</u>	
AS BILLED WITH MINIMUM CHARGE:	54	35.00	<u>\$1.9</u>
MINIMUM BILL ADJ.:			\$0.7

PROPOSED RATES

	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>(MWH)</u>	<u>¢/kWh</u>	
BASE ENERGY CHARGE	0.0	22.0105	\$0.0
FUEL OIL ADJUSTMENT:	0.0	0.000	<u>\$0.0</u>
TOTAL, IF NO MIN CHRG.			\$0.0
	<u>BILLS</u>	<u>\$/Month</u>	
AS BILLED WITH MINIMUM CHARGE:	10	35.00	<u>\$0.4</u>
MINIMUM BILL ADJ.:			\$0.4

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATES OF TEST-YEAR REVENUE ADJUSTMENTS
FOR SECONDARY METERING

	<u>PRESENT RATES</u>			<u>PROPOSED RATES</u>	
	UNITS BILLED <u>(MWH)</u>	UNIT PRICE <u>CENTS/KWH</u>	REVENUES <u>\$1000S</u>	UNIT PRICE <u>CENTS/KWH</u>	REVENUES <u>\$1000S</u>
ENERGY REVENUES					
ENERGY CHARGE:					
0 - 150 KWH/KW	2,871	12.7049	\$364.8	22.0105	\$631.9
> 150 KWH/KW	<u>3,668</u>	8.7309	<u>\$320.2</u>	18.0368	<u>\$661.6</u>
SUBTOTAL	6,539		\$685.0		\$1,293.5
TOTAL ENERGY REVENUES			<u>\$685.0</u>		<u>\$1,293.5</u>
SEC. METERING % ADJUSTMENT:		2.0%	\$13.7	1.5%	\$19.4

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF RECONNECTION COSTS

		LABOR					
Title	Description	Average Minutes	Hourly Wage Rate ¹	Standard Labor Rate ²	2005 Overhead Rate ³	Actual Wage Costs	Standard Labor Costs
Telephone Rep / Front Desk	Explaining bill/deposit & policies, negotiating payment required for reconnection, data entry into ACCESS system, submit reconnect order.	15.00	\$ 27.47	\$ 23.07	1.59	\$ 10.92	\$ 9.17
Field Rep	Reconnection of services by Field personnel (includes travel time)	10.86	\$ 25.78	\$ 23.07	1.59	\$ 7.42	\$ 6.64
Clerk	Dispatching orders, updating customer accounts, contacting customers, issuing service requests for repairs, relaying info to telephone center, etc.	2.30	\$ 21.36	\$ 23.07	1.68	\$ 1.38	\$ 1.49
IT Labor	Internal hardware and software support and maintenance on the Field Service and CIS (Field Service updates only) systems.	0.21	\$ 50.00	\$ 50.00	1.35	\$ 0.23	\$ 0.23
Credit Analyst	Reviewing, analyzing, resolving complaints, providing credit related guidance.	0.96	\$ 23.72	\$ 23.72	1.64	\$ 0.62	\$ 0.62
Supervisor	Reviewing and resolving complaints.	0.96	\$ 31.13	\$ 31.13	1.51	\$ 0.75	\$ 0.75
SUB-TOTAL LABOR						\$ 21.32	\$ 18.91
		NON-LABOR					
Vehicle cost per order						\$ 0.67	\$ 0.67
Materials per order						\$ 0.89	\$ 0.89
Collections Annual Software Maintenance per order						\$ 0.39	\$ 0.39
TOTAL						\$ 23.27	\$ 20.86

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF RECONNECTION COSTS

FOOTNOTES

¹ Hourly wage rates of employees as of May 2005.

² Standard labor rates as of the beginning of the year.

³ 2005 Overhead Rate Includes:

	Telephone Rep	Field Rep	Clerk	Supvr	credit analyst	IT
Payroll Taxes	8.42%	8.42%	8.42%	8.42%	8.42%	8.42%
Employee Benefits	23.52%	25.06%	30.24%	20.75%	27.23%	12.92%
Corporate Administration	10.41%	11.09%	12.40%	9.19%	12.06%	5.72%
Non-Productive Wages	13.98%	14.89%	16.64%	12.34%	16.19%	7.68%
TOTAL	56%	59%	68%	51%	64%	35%

DETERMINATION OF SERVICE ESTABLISHMENT COSTS

Title	Description	Average Minutes	Hourly Wage Rate ¹	Standard Labor Rate ²	2005 Overhead Rate ³	Actual Wage Costs	Standard Labor Costs
Telephone Rep	Receiving customer requests and data entry into ACCESS system.	6.00	\$ 27.47	\$ 23.07	1.56	\$ 4.28	\$ 3.60
Field Rep	Service establishment effort by Field Representative including review, prioritizing, work sequencing, traveling, unlocking the meter.	10.26	\$ 25.78	\$ 23.07	1.59	\$ 7.01	\$ 6.27
Clerk	Dispatching orders, updating customer accounts, contacting customers, issuing service requests for repairs, relaying info to telephone center, etc.	2.40	\$ 21.36	\$ 23.07	1.70	\$ 1.45	\$ 1.57
Planner/Analyst	Organizing, sorting, reviewing, analyzing, and preparing orders.	0.46	\$ 30.67	\$ 30.67	1.51	\$ 0.36	\$ 0.36
Supervisor	Reviewing and resolving complaints.	0.46	\$ 31.13	\$ 31.13	1.51	\$ 0.36	\$ 0.36
IT Labor	Internal hardware and software support and maintenance on the Field Service and CIS (Field Service updates only) systems.	0.21	\$ 50.00	\$ 50.00	1.35	\$ 0.23	\$ 0.23
	SUB-TOTAL LABOR					\$ 13.70	\$ 12.39
	NON-LABOR						
	Vehicle cost per order					\$ 0.67	\$ 0.67
	Materials per order					\$ 0.89	\$ 0.89
	Annual Software Maintenance per order					\$ 0.39	\$ 0.39
	TOTAL					\$ 15.65	\$ 14.35

HECO-WP-2019
DOCKET NO. 2006-0386
PAGE 3 OF 27

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF SERVICE ESTABLISHMENT COSTS

FOOTNOTES

¹ Hourly wage rates of employees as of May 2005.

² Standard labor rates as of the beginning of the year.

³ 2005 Overhead Rate Includes:

	Field Rep	Clerk	Telephone Rep	Planner/ Analyst	Supv	IT
Payroll Taxes	8.42%	8.42%	8.42%	8.42%	8.42%	8.42%
Employee Benefits	25.06%	30.24%	23.52%	21.06%	20.75%	12.92%
Corporate Administration	11.09%	13.39%	10.41%	9.33%	9.19%	5.72%
Non-Productive Wages	14.89%	17.98%	13.98%	12.52%	12.34%	7.68%
TOTAL	59%	70%	56%	51%	51%	35%

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF SAME DAY SERVICE ESTABLISHMENT COSTS

Title	Description	LABOR					Standard Labor Costs
		Average Minutes	Hourly Wage Rate ¹	Standard Labor Rate ²	2005 Overhead Rate ³	Actual Wage Costs	
Telephone Rep	Receiving customer requests and data entry into ACCESS system.	6.00	\$ 27.47	\$ 23.07	1.56	\$ 4.28	\$ 3.60
Field Rep	Service establishment effort by Field Representative including review, prioritizing, work sequencing, traveling, unlocking the meter.	45.00	\$ 25.78	\$ 23.07	1.59	\$ 30.74	\$ 27.51
Clerk	Dispatching orders, updating customer accounts, contacting customers, issuing service requests for repairs, relaying info to telephone center, etc.	4.80	\$ 21.36	\$ 23.07	1.70	\$ 2.91	\$ 3.14
Planner/Analyst	Organizing, sorting, reviewing, analyzing, and preparing orders.	0.46	\$ 30.67	\$ 30.67	1.51	\$ 0.36	\$ 0.36
Supervisor	Reviewing and resolving complaints.	0.46	\$ 31.13	\$ 31.13	1.51	\$ 0.36	\$ 0.36
IT Labor	Internal hardware and software support and maintenance on the Field Service and CIS (Field Service updates only) systems.	0.21	\$ 50.00	\$ 50.00	1.35	\$ 0.23	\$ 0.23
	SUB-TOTAL LABOR					\$ 38.89	\$ 35.20
	NON-LABOR						
	Vehicle cost per order					\$ 1.88	\$ 1.88
	Materials per order					\$ 0.89	\$ 0.89
	Annual Software Maintenance per order					\$ 0.39	\$ 0.39
	TOTAL					\$ 42.04	\$ 38.36

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF SAME DAY SERVICE ESTABLISHMENT COSTS

FOOTNOTES

¹ Hourly wage rates of employees as of May 2005.

² Standard labor rates as of the beginning of the year.

³ 2005 Overhead Rate Includes:						
	Field Rep	Clerk	Telephone Rep	Planner/ Analyst	Supv	IT
Payroll Taxes	8.42%	8.42%	8.42%	8.42%	8.42%	8.42%
Employee Benefits	25.06%	30.24%	23.52%	21.06%	20.75%	12.92%
Corporate Administration	11.09%	13.39%	10.41%	9.33%	9.19%	5.72%
Non-Productive Wages	14.89%	17.98%	13.98%	12.52%	12.34%	7.68%
TOTAL	59%	70%	56%	51%	51%	35%

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF SAME DAY RECONNECTION COSTS

		LABOR					
Title	Description	Average Minutes	Hourly Wage Rate ¹	Standard Labor Rate ²	2005 Overhead Rate ³	Actual Wage Costs	Standard Labor Costs
Telephone Rep	Receiving customer inquiry, explain and negotiate payment required, data entry into ACCESS system, submit reconnect order.	15.00	\$ 27.47	\$ 23.07	1.59	\$ 10.92	\$ 9.17
Field Rep	Reconnection of services by Field personnel (includes travel time)	45.00	\$ 25.78	\$ 23.07	1.59	\$ 30.74	\$ 27.51
Clerk	Dispatching orders, updating customer accounts, contacting customers, issuing service requests for repairs, relaying info to telephone center, etc.	4.61	\$ 21.36	\$ 23.07	1.68	\$ 2.76	\$ 2.98
IT Labor	Internal hardware and software support and maintenance on the Field Service and CIS (Field Service updates only) systems.	0.21	\$ 50.00	\$ 50.00	1.35	\$ 0.23	\$ 0.23
Credit Analyst	Reviewing, analyzing, resolving complaints, providing credit related guidance.	0.96	\$ 23.72	\$ 23.72	1.64	\$ 0.62	\$ 0.62
Supervisor	Reviewing and resolving complaints.	0.96	\$ 31.13	\$ 31.13	1.51	\$ 0.75	\$ 0.75
	SUB-TOTAL LABOR					\$ 46.03	\$ 41.27
	NON-LABOR						
	Vehicle cost per order					\$ 1.88	\$ 1.88
	Materials per order					\$ 0.89	\$ 0.89
	Collections Annual Software Maintenance per order					\$ 0.39	\$ 0.39

HECO-WP-2019
DOCKET NO. 2006-0386
PAGE 7 OF 27
HECO-WP-2201
DOCKET NO. 04-0113
PAGE 7 OF 27

HAWAIIAN ELECTRIC COMPANY, INC.
DETERMINATION OF SAME DAY RECONNECTION COSTS

TOTAL **\$ 49.18 \$ 44.42**

FOOTNOTES

¹ Hourly wage rates of employees as of May 2005.

² Standard labor rates as of the beginning of the year.

³ 2005 Overhead Rate Includes:	Telephone Rep	Field Rep	Clerk	Supvr	credit analyst	IT
Payroll Taxes	8.42%	8.42%	8.42%	8.42%	8.42%	8.42%
Employee Benefits	23.52%	25.06%	30.24%	20.75%	27.23%	12.92%
Corporate Administration	10.41%	11.09%	12.40%	9.19%	12.06%	5.72%
Non-Productive Wages	13.98%	14.89%	16.64%	12.34%	16.19%	7.68%
TOTAL	56%	59%	68%	51%	64%	35%

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF FIELD COLLECTION COSTS

Title	Description	LABOR					Standard Labor Costs
		Average Minutes	Hourly Wage Rate ¹	Standard Labor Rate ²	2005 Overhead Rate ³	Actual Wage Costs	
Field Rep	Collection effort by Field Representative including review, analysis, calculating, contacting, traveling, collecting, arranging payments, disconnecting, and updating customer accounts.	17.23	\$ 25.78	\$ 23.07	1.59	\$ 11.77	\$ 10.53
Clerk	Dispatching orders, updating customer accounts, contacting customers, issuing service requests for repairs, relaying info to telephone center, etc.	1.65	\$ 21.36	\$ 23.07	1.70	\$ 1.00	\$ 1.08
Payment Processing Clerk	Processing payment, updating customer accounts.	4.23	\$ 24.51	\$ 23.07	1.62	\$ 2.80	\$ 2.63
Planner/Analyst	Organizing, sorting, reviewing, analyzing, and preparing orders.	0.88	\$ 30.67	\$ 30.67	1.51	\$ 0.66	\$ 0.66
Credit Analyst	Reviewing, analyzing, resolving complaints, providing credit related guidance.	0.34	\$ 23.72	\$ 23.72	1.64	\$ 0.22	\$ 0.22
Supervisor	Reviewing and resolving complaints.	0.34	\$ 31.13	\$ 31.13	1.51	\$ 0.27	\$ 0.27
IT Labor	Internal hardware and software support and maintenance on the Field Service and CIS (Field Service updates only) systems.	0.21	\$ 50.00	\$ 50.00	1.35	\$ 0.24	\$ 0.24
	SUB-TOTAL LABOR					\$ 18.98	\$ 15.64
	NON-LABOR						
	Vehicle cost per order					\$ 0.67	\$ 0.71
	Materials per order					\$ 0.46	\$ 0.46
	Collections Annual Software Maintenance per order					\$ 0.40	\$ 0.40
	TOTAL					\$ 18.48	\$ 17.20

HECO-WP-2019
DOCKET NO. 2006-0386
PAGE 9 OF 27

HECO-WP-2201
DOCKET NO. 04-0113
PAGE 9 OF 27

HAWAIIAN ELECTRIC COMPANY, INC.

DETERMINATION OF FIELD COLLECTION COSTS

FOOTNOTES

¹ Hourly wage rates of employees as of May 2005.

² Standard labor rates as of the beginning of the year.

³ 2005 Overhead Rate Includes:

	Field Rep	Clerk	Pmt Proc Clerk	Planner/Analyst	Supv	credit analyst	IT
Payroll Taxes	8.42%	8.42%	8.42%	8.42%	8.42%	8.42%	8.42%
Employee Benefits	25.06%	30.24%	26.35%	21.06%	20.75%	27.23%	12.92%
Corporate Administration	11.09%	13.39%	11.67%	9.33%	9.18%	12.06%	5.72%
Non-Productive Wages	14.89%	17.98%	15.67%	12.52%	12.34%	16.19%	7.68%
TOTAL	59%	70%	62%	51%	51%	64%	35%

SERVICE ESTABLISHMENT FEE SUPPORT DOCUMENTATION

HECO-WP-2201
DOCKET NO. 04-0113
PAGE 11 OF 27

FIELD COLLECTORS

Activity	ATT (from DOR)
Unlock	8.90
al	8.90
<hr/>	
Average # of Unlocks Per Day	52.00
Average Commute Time Per Order (mins)	1.36 See OPUS 2003 worksheet.
Unlock Time Per Order (mins)	10.26

ADMINISTRATIVE SUPPORT

Resource Availability (13% in mins) @ 2 FTE Clerks	124.80
Average Unlocks Per Day	52.00
Average Mins Per Order	2.40

PLANNER/ANALYST

Resource Availability (5% in mins) @ 1 FTE	24.00
Average Unlocks Per Day	52.00
Average Mins Per Order	0.46

SUPERVISOR

Resource Availability (5% in mins) @ 1 FTE	24.00
Average Unlocks Per Day	52.00
Average Mins Per Order	0.46

TELEPHONE REP / FRONT DESK

Average Mins Per Order	6.00 ACD VDN Report Daily - CS_Start
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Internal IT Labor

This figure represents the ongoing cost of internal IT services to support the software and hardware used to perform Field Service work. For 2005, 380 hours of internal labor resources will be required to support the system at \$50 per standard labor hour. The allocation split for unlocks is 12%. Growth rate in 2005 collection documents equal to growth rate in forecasted average # of customers.

Annual Minutes Allocated for Field Collections	2736.00
Total Unlock Requests WORKED in 2003	12,818
Total Unlock Requests EXPECTED in 2005	13,144
Average Mins Per Unlock Order	0.21

VEHICLES

See OPUS 2003 tab for	
Average Vehicle Cost Per Collection Order	\$ 0.67

SERVICE ESTABLISHMENT FEE SUPPORT DOCUMENTATION

HECO-WP-2201
DOCKET NO. 04-0113
PAGE 12 OF 27

MATERIALS

The following are budgeted 2005 amounts. Allocated based on OPUS 2003 FS Work Time for Unlocks.

	2005 Budget Total	Unlock Allocation	2005 Budget Total Unlock
Seals	\$ 20,000.00	29.0%	\$ 5,800.00
Toolroom (tools, PPE, etc.)	\$ 600.00	12.0%	\$ 72.00
Safety Shoes	\$ 3,600.00	12.0%	\$ 432.00
Uniforms - Pants/Shifts	\$ 10,000.00	12.0%	\$ 1,200.00
Uniforms - Jackets	\$ 4,500.00	12.0%	\$ 540.00
Lubricants	\$ 400.00	12.0%	\$ 48.00
Cell Phones	\$ 15,600.00	12.0%	\$ 1,872.00
Batteries	\$ 400.00	12.0%	\$ 48.00
Stationary/Ofc Supplies	\$ 7,200.00	12.0%	\$ 864.00
Sm Tools	\$ 900.00	12.0%	\$ 108.00
Unbudgeted Handheld Replaceable Materials (batteries- 17 per year, pouches-17 per year, desktop cradles-2 per year, tablet PC-1)	\$ 5,994.00	12.0%	\$ 719.28
TOTAL			\$ 11,703.28
Total Unlock Orders WORKED in 2003	12,818		
Total Unlock Orders EXPECTED in 2005.	13,144		
Cost Per Order (Total Amt / Total Orders)			\$ 0.89

OUTSIDE SERVICES

This figure represents the ongoing cost of maintenance fees to support the software and hardware used to perform collection work. The 2003 actuals are based on a non-collection system and is for comparison only. The 2005 budget amount reflects a field and collection system. Growth rate in 2005 collection documents equal to growth rate in forecasted average # of customers.

	2005 Budget Total	Unlock Allocation	2005 Budget Total Unlock
Maintenance fees	\$ 42,800.00	12%	\$ 5,136.00
Total Collection Documents WORKED in 2003	12,818		
Total Collection Documents EXPECTED in 2005	13,144		
Cost Per Order (Total Amt / Total Orders)			\$ 0.39

SAME DAY:

Assume same day reconnect time is 45 minutes.

Average Vehicle Cost Per Collection Order (45 min)	\$ 1.88
Increase communication time, office & field	
Administrative Support (2 times average)	4.80 minutes
Field Collectors (45 min - special trip)	45.00 minutes

RECONNECTION CHARGE SUPPORT DOCUMENTATION

HECO-WP-2201
DOCKET NO. 04-0113
PAGE 13 OF 27

FIELD COLLECTORS

Activity	ATT (from DOR)
Reconnect	9.50
<u>1</u>	<u>9.50</u>
Average # of Reconnects Per Day	25.00
Average Reconnect Effort Per Order (mins)	9.50
Average Commute Time Per Order (mins)	1.36 See OPUS 2003 worksheet.
Reconnect Time Per Order (mins)	10.86

ADMINISTRATIVE SUPPORT

Resource Availability (6% in mins) @ 2 FTE Clerks	57.60
Average Reconnects Per Day	25.00
Average Mins Per Order	2.30

PLANNER/ANALYST

Resource Availability (0% in mins) @ 1 FTE	0.00
Average Reconnects Per Day	25.00
Average Mins Per Order	0.00

SUPERVISOR

Resource Availability (5% in mins) @ 1 FTE	24.00
Average Reconnects Per Day	25.00
Average Mins Per Order	0.96

CREDIT ANALYST

Resource Availability (5% in min) @ 1 FTE	24.00
Average Reconnects Per day	25.00
Average Mins Per Order	0.96

TELEPHONE REP / FRONT DESK

Average Mins Per Order	15.00 Per Front Desk - meetings last 5 to 30 min per customer; average 15 minutes.
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Internal IT Labor

This figure represents the ongoing cost of internal IT services to support the software and hardware used to perform Field Service work. For 2005, 380 hours of internal labor resources will be required to support the system at \$50 per standard labor hour. The allocation split for Credit Reconnects is 5%. Growth rate in 2005 collection documents equal to growth rate in forecasted average # of customers.

Annual Minutes Allocated for Field Collections	1140.00
Total Collection Documents WORKED in 2003	5,340
Total Collection Documents EXPECTED in 2005	5,476
Average Mins Per Collection Order	0.21

VEHICLES

See OPUS 2003 tab for Average Vehicle Cost Per Collection Order	\$ 0.67
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RECONNECTION CHARGE SUPPORT DOCUMENTATION

MATERIALS

The following are budgeted 2005 amounts. Allocated based on OPUS 2003 FS Work Time for Reconnects.

	2005 Budget Total	Reconnect Allocation	2005 Budget Total Reconnect
Seals	\$ 20,000.00	12.0%	\$ 2,400.00
Tooltroom (tools, PPE, etc.)	\$ 600.00	5.0%	\$ 30.00
Safety Shoes	\$ 3,600.00	5.0%	\$ 180.00
Uniforms - Pants/Shifts	\$ 10,000.00	5.0%	\$ 500.00
Uniforms - Jackets	\$ 4,500.00	5.0%	\$ 225.00
Lubricants	\$ 400.00	5.0%	\$ 20.00
Cell Phones	\$ 15,600.00	5.0%	\$ 780.00
Batteries	\$ 400.00	5.0%	\$ 20.00
Stationary/Ofc Supplies	\$ 7,200.00	5.0%	\$ 360.00
Sm Tools	\$ 900.00	5.0%	\$ 45.00
Unbudgeted Handheld Replaceable Materials (batteries- 17 per year, pouches-17 per year, desktop cradles-2 per year, tablet PC-1)	\$ 5,994.00	5%	\$ 299.70
TOTAL			\$ 4,859.70
Total Documents WORKED in 2003	5,340		
Total Collections documents EXPECTED in 2005.	5,476		
Cost Per Order (Total Amt / Total Orders)			\$ 0.89

OUTSIDE SERVICES

This figure represents the ongoing cost of maintenance fees to support the software and hardware used to perform collection work. The 2003 actuals are based on a non-collection system and is for comparison only. The 2005 budget amount reflects a field and collection system. Growth rate in 2005 collection documents equal to growth rate in forecasted average # of customers.

	2005 Budget Total	Collection Allocation	2005 Budget Total Reconnect
Maintenance fees	\$ 42,800.00	5%	\$ 2,140.00
Total Collection Documents WORKED in 2003	5,340		
Total Collection Documents EXPECTED in 2005	5,476		
Cost Per Order (Total Amt / Total Orders)			\$ 0.39

SAME DAY:

Assume same day reconnect time is 45 minutes.

Average Vehicle Cost Per Collection Order (45 min)	\$ 1.88
Increase communication time, office & field	
Administrative Support (2 times average)	4.61 minutes
Field Collectors (45 min- special trip)	45.00 minutes

FIELD COLLECTIONS CHARGE SUPPORT DOCUMENTATION

FIELD COLLECTORS

Activity	ATT (from DOR)
Collect, full and partial	13.30
Reconnect arrangement	11.50
	11.20
Weighted Average	12.17
Num of Collection Orders Per 10 hr day	35

# Orders	% of Total Orders
7142	40%
7773	44%
2944	16%
17859	100%

Prep/Office Time	90.00 45 min AM, 45 min PM
Num of Collection Orders Per 10 hr day	35
Average Prep/Office Time Per Collection (mins)	

Average Collection Effort Per Order (mins)	13.30 FCC is charged only if monies collected.
Average Commute Time Per Order (mins)	1.36 See OPUS 2003 worksheet.
Average Prep/Office Time Per Order (mins)	
Collection Time Per Order (mins)	17.23

ADMINISTRATIVE SUPPORT

Admin provides direct and indirect support for all Field Service orders. See OPUS 2003 worksheet for collection activity % of FS work time. Excludes reconnection activity

Resource Availability (24% in min) @ 2 FTE Clerks	230.40
Total Collection Orders @ 4 FTE Collectors	140.00
Average Mins Per Order	1.65

PLANNER/ANALYST

Resource Availability (25% in min) @ 1 FTE	120.00
Total Collection Orders @ 4 FTE Collectors	140.00
Average Mins Per Order	0.86

SUPERVISOR

Resource Availability (10% in min) @ 1 FTE	48.00
Total Collection Orders @ 4 FTE Collectors	140.00
Average Mins Per Order	0.34

CREDIT ANALYST

Resource Availability (10% in min) @ 1 FTE	48.00
Total Collection Orders @ 4 FTE Collectors	140.00
Average Mins Per Order	0.34

Payment Processing Clerk

Resource Availability (1.5 hr/day) @ 1 FTE	90.00
Average Daily Field Collection Accounts Processed	21.28
Average Mins Per Order	4.23

FIELD COLLECTIONS CHARGE SUPPORT DOCUMENTATION

Internal IT Labor

This figure represents the ongoing cost of internal IT services to support the software and hardware used to perform Field Service work. For 2005, 380 hours of internal labor resources will be required to support the system at \$50 per standard labor hour. The allocation split for Field Collections is 17%. Growth rate in 2005 collection documents equal to growth rate in forecasted average # of customers.

Annual Minutes Allocated for Field Collections	3876.00
Total Collection Documents WORKED in 2003	17,859
Total Collection Documents EXPECTED in 2005	18,313
Average Mins Per Collection Order	0.21

VEHICLES

See OPUS 2003 tab for	
Average Vehicle Cost Per Collection Order	\$ 0.67

MATERIALS

The following are budgeted 2005 amounts. Allocated based on OPUS 2003 FS Work Time for Collection Activities. Growth rate in 2005 collection documents based on growth rate in forecasted average # of customers.

	2005 Budget Total	Collection Allocation	2005 Budget Total Collections
Seals	\$ 20,000.00	18.0%	\$ 3,600.00
Toolroom (tools, PPE, etc.)	\$ 600.00	17%	\$ 102.00
Safety Shoes	\$ 3,600.00	17%	\$ 612.00
Uniforms - Pants/Shifts	\$ 10,000.00	17%	\$ 1,700.00
Uniforms - Jackets	\$ 4,500.00	17%	\$ 765.00
Lubricants	\$ 400.00	17%	\$ 68.00
Cell Phones	\$ 15,600.00	17%	\$ 2,652.00
Batteries	\$ 400.00	17%	\$ 68.00
Stationary/Ofc Supplies	\$ 7,200.00	17%	\$ 1,224.00
Sm Tools	\$ 900.00	17%	\$ 153.00
Unbudgeted Handheld Replaceable Materials (batteries-17 per year, pouches-17 per year, desktop cradles-2 per year, tablet PC-1)	\$ 5,994.00	17%	\$ 1,018.98
TOTAL			\$ 8,362.98
Total Collections documents WORKED in 2003.	17,859		
Total Collections documents EXPECTED in 2005.	18,313		
Cost Per Order (Total Amt / Total Orders)			\$ 0.46

OUTSIDE SERVICES

This figure represents the ongoing cost of maintenance fees to support the software and hardware used to perform Field Service work. The 2005 budget amount reflects a field and collection system. Collection allocation is based on % of field svc collection orders, excluding reconnection. Growth rate in 2005 collection documents equal to growth rate in forecasted average # of customers.

	2005 Budget Total	Collection Allocation	2005 Budget Total Collections
Maintenance fees	\$ 42,800.00	17%	\$ 7,276.00
Total Collection Documents WORKED in 2003	17,859		
Total Collection Documents EXPECTED in 2005	18,313		
Cost Per Order (Total Amt / Total Orders)			\$ 0.40

Field Service Activities
Source: 2003 OPUS Report, Field Services

Activity	ATT	# Orders	% of Total FS Orders	Total Work Time	% of FS Work Time	Seals Used	Seal Allocation
Bill failures	5.8	34,046	31%	197,467	22%	16,778	38%
Closing Bills	7.3	33,555	30%	244,952	28%		
Itron Adjustments	9.7	1,902	2%	18,449	2%	1,679	4%
Manual Re-reads	5.8	4,203	4%	24,377	3%		
NCOPs	7.7	1,679	2%	12,928	1%	12,818	29%
Unlocks	8.9	12,818	12%	114,080	13%		
Total Field Svc Activities		88,203	79%	612,254	70%		
Collections - Full Past Due	13.3	6,236	6%	82,939	9%	7,773	18%
Collections - Partial	13.3	906	1%	12,050	1%		
Disconnects	11.5	7,773	7%	89,390	10%	5,340	12%
Payment Arrangements	11.2	2,944	3%	32,973	4%		
Reconnects	9.5	5,340	5%	50,730	6%	44,388	
Total Collection Activities		23,199	21%	268,081	30%		
Total Field Service Work		111,402	100%	880,335	100%		
Commute time to/from HECO		151,140	minutes				
Avg commute time/order		1.36	minutes				

Average Vehicle Cost per Collection Activity

No. of vehicles 4
No. of collection days/year 156
Cost per day @ 10 hours/day \$ 25.00

Average Cost Per Collection Order \$ 0.67

Tasks	# of Clerks	Frequency	Duration	Total time
<u>Clerical</u>				
Disconnection info on phone	2			3
Complete transaction after phone call	2			3
Call out voids	2		5	1
Review previous day dis/recon	1			30
Voiding collection docs per dispatcher	1			30
Followup work issued to other depts	1		5	15
<u>Field Rep</u>				
Review/analyze			40	45
Paperwork end of day, count money, CIS updates				45
Travel to/from customer site				60
Call in disconnects to dispatcher			12	3

Unbudgeted Replaceable Parts for Handheld Devices

Batteries	\$ 127.00	17	\$ 2,159.00
Pouches	\$ 55.00	17	\$ 935.00
DeskStand	\$ 250.00	2	\$ 500.00
Devices	\$ 2,400.00	1	\$ 2,400.00
			\$ 5,994.00

HAWAIIAN ELECTRIC COMPANY

DETERMINATION OF RETURNED PAYMENT FEE (updated 4/8/2005)

		LABOR					
Title	Description	Average Minutes	Hourly Wage Rate ¹	Standard Labor Rate ²	2005 Overhead Rate ³	Actual Wage Costs	Standard Labor Costs
Payment Processing Clerk	Identify account to chargeback, assess returned item fee, chargeback, prepare customer letter/envelop	8.9	\$ 24.51	\$ 23.07	1.62	\$ 5.89	\$ 5.54
Credit Analyst	Special handling to actively collect on returned payment: phone calls, prepare letters, customer meetings	5.9	\$ 30.67	\$ 30.67	1.51	\$ 4.54	\$ 4.54
Cashier	Account reconciliation, reprocess payment	2.2	\$ 20.03	\$ 23.07	1.62	\$ 1.19	\$ 1.37
SUB-TOTAL LABOR						\$ 11.62	\$ 11.45
		NON-LABOR					
External charges for returned items (weighted average) ⁴						\$ 10.28	\$ 10.28
Postage						\$ 0.37	\$ 0.37
Printing, stationary, envelope						\$ 0.15	\$ 0.15
TOTAL						\$ 22.42	\$ 22.25

¹ Weighted hourly wage rates of employees as of 11/1/04, 5/1/05, 11/1/05.

² Standard labor rates as of the beginning of the year.

³ 2005 Overhead Rate Includes:

	Pmt Proc Clerk	Credit Analyst	Cashier
Payroll Taxes	8.42%	8.42%	8.42%
Employee Benefits	26.35%	21.06%	28.00%
Corporate Administration	11.67%	9.33%	12.40%
Non-Productive Wages	15.67%	12.52%	16.64%
TOTAL	62%	51%	65%

⁴ Revised as a result of increase in bank fees, effective 4/1/2005.

SUPPORT DOCUMENTATION FOR RETURNED ITEMS

PAYMENT PROCESSING CLERK

Based on processing 537 returned items in May 2004.

4 hours per day (in minutes)	240
Average # items per day	27
Avg time per returned item (in minutes)	8.9

CREDIT ANALYSTS

Source: Returned pmts data worksheet (Sep 2003-May 2004)

	No. items	# minutes	Total minutes
Special Handling of Returned payments > \$400	53	30	1,603
Special Handling of Returned payments < \$400	73	23	1,684
Total payments returned	559		3,287
Avg time special handling time per returned item			5.9 minutes

CASHIER

Based on 2003 cashier transactions: 4.5 cashiers, 250 working days, 8 hour day.

Transactions per cashier per day	223
Minutes per 8-hr day	480
Minutes per transaction	2.2

EXTERNAL CHARGES FOR RETURNED ITEMS

Cost of returned items for Jan - May 2004

	Volume	% of total	\$ Total	\$/item
Bank of Hawaii ³	735	58%	\$ 9,555	\$ 13.00
First Hawaiian Bank ⁴	199	16%	\$ 2,587	\$ 13.00
Total Bank returned items	934	74%	\$ 12,142	\$ 13.00
Foodland	151	12%	539.85	\$ 3.58
Automatic Bill Payment (ABP)	84.5	7%	338	\$ 4.00
Checkfree ¹	70	6%	\$ -	\$ -
EDS Pay - Credit Cards	17	1%	\$ -	\$ -
EDS Pay - Checking/Savings Payments ²	10	1%	\$ -	\$ -
Average cost of returned items	1267	100%	\$ 13,020	\$ 10.28

NOTE:

¹ Checkfree: Mar thru Jul 2004 count of insufficient funds/uncollectibles was 72 ~ 14 per month.

² EDS Pay - checking/Saving Payments: May thru Aug 2004 8 ACH chargebacks (insufficient funds/uncollectibles)
~ 2 chargebacks per month

BOH service fees increased effective 4/1/05. Notification from HECO Treasury.

⁴ Assume FHB will follow with same increase as BOH.

Daily Total Number of Returned Payments							
Source:	Monthly Cashiers Over the Counter/Dropbox (CSH540)						
	Sep 2003-May 2004						
	# Bounced Checks	\$ Amount	Monthly # returned payments	Monthly # ret chks > \$400		Monthly # ret chks < \$400	
9/2/2003	32	\$ 6,314.02					
9/3/2003	26	\$ 4,787.33					
9/4/2003	25	\$ 4,861.87					
9/5/2003	31	\$ 6,714.17					
9/8/2003	27	\$ 4,807.40					
9/9/2003	30	\$ 7,261.32					
9/10/2003	16	\$ 3,477.49					
9/11/2003	20	\$ 3,549.56					
9/12/2003	5	\$ 857.43					
9/15/2003	21	\$ 4,285.77					
9/16/2003	46	\$ 11,839.14					
9/17/2003	25	\$ 5,736.57					
9/18/2003	20	\$ 5,707.32					
9/19/2003	19	\$ 4,519.08					
9/22/2003	21	\$ 6,346.09					
9/23/2003	18	\$ 5,739.78					
9/24/2003	45	\$ 8,137.34					
9/25/2003	25	\$ 3,959.89					
9/26/2003	24	\$ 6,524.78					
9/29/2003	46	\$ 13,290.94					
9/30/2003	22	\$ 4,662.67	544	72	13.2%	92	17%
10/1/2003	37	\$ 8,602.64					
10/2/2003	31	\$ 4,389.74					
10/3/2003	21	\$ 3,236.89					
10/6/2003	47	\$ 15,956.25					
10/7/2003	38	\$ 8,262.21					
10/8/2003	44	\$ 13,373.36					
10/9/2003	26	\$ 5,941.58					
10/10/2003	27	\$ 4,979.69					
10/14/2003	22	\$ 4,272.86					
10/15/2003	26	\$ 18,273.05					
10/16/2003	7	\$ 1,534.83					
10/17/2003	49	\$ 12,823.64					
10/20/2003	25	\$ 6,542.17					
10/21/2003	28	\$ 3,880.26					
10/22/2003	30	\$ 6,464.79					
10/23/2003	25	\$ 3,154.64					
10/24/2003	20	\$ 5,482.96					
10/27/2003	34	\$ 10,601.94					
10/28/2003	23	\$ 7,872.29					
10/29/2003	38	\$ 8,415.32	598	60	10.0%	90	15%
11/3/2003	30	\$ 412.98					
11/4/2003	24	\$ 4,799.32					

	# Bounced Checks	\$ Amount	Monthly # returned payments	Monthly # ret chks > \$400		Monthly # ret chks < \$400	
11/5/2003	36	\$ 6,860.52					
11/6/2003	32	\$ 12,371.46					
11/7/2003	39	\$ 5,482.74					
11/10/2003	33	\$ 5,359.65					
11/12/2003	25	\$ 6,465.15					
11/13/2003	21	\$ 4,971.18					
11/14/2003	31	\$ 10,033.78					
11/17/2003	20	\$ 5,159.62					
11/18/2003	27	\$ 9,179.67					
11/19/2003	33	\$ 6,194.66					
11/20/2003	26	\$ 8,465.75					
11/21/2003	31	\$ 6,790.23					
11/24/2003	39	\$ 10,980.44					
11/25/2003	29	\$ 7,224.88					
11/26/2003	55	\$ 11,620.27					
11/28/2003	25	\$ 5,799.80	556	80	14.4%	81	15%
12/1/2003	39	\$ 13,705.44					
12/2/2003	52	\$ 8,982.60					
12/3/2003	43	\$ 9,646.20					
12/4/2003	21	\$ 5,663.92					
12/5/2003	17	\$ 3,459.78					
12/8/2003	38	\$ 9,367.95					
12/9/2003	27	\$ 3,320.24					
12/10/2003	33	\$ 6,568.99					
12/11/2003	26	\$ 4,093.41					
12/12/2003	31	\$ 5,111.40					
12/15/2003	32	\$ 7,220.03					
12/16/2003	24	\$ 4,353.52					
12/17/2003	27	\$ 18,945.06					
12/18/2003	25	\$ 9,712.92					
12/19/2003	40	\$ 7,145.34					
12/22/2003	17	\$ 4,734.55					
12/23/2003	21	\$ 4,267.45					
12/24/2003	23	\$ 8,517.94					
12/26/2003	15	\$ 3,594.57					
12/29/2003	19	\$ 4,920.14					
12/30/2003	19	\$ 3,477.38					
12/31/2003	18	\$ 3,065.79	607	63	10.4%	66	11%
1/1/2004	21	\$ 9,123.74					
1/5/2004	16	\$ 2,947.03					
1/6/2004	28	\$ 4,933.60					
1/7/2004	10	\$ 2,179.13					
1/8/2004	20	\$ 2,567.74					
1/9/2004	39	\$ 16,546.16					
1/12/2004	43	\$ 14,071.38					
1/13/2004	41	\$ 6,252.26					
1/14/2004	41	\$ 7,100.47					

	# Bounced Checks	\$ Amount	Monthly # returned payments	Monthly # ret chks > \$400		Monthly # ret chks < \$400	
1/15/2004	40	\$ 7,094.15					
1/16/2004	32	\$ 5,050.70					
1/19/2004	54	\$ 7,390.95					
1/20/2004	31	\$ 11,560.94					
1/21/2004	21	\$ 3,637.28					
1/22/2004	43	\$ 3,654.21					
1/23/2004	34	\$ 5,136.17					
1/26/2004	17	\$ 4,925.66					
1/27/2004	35	\$ 11,114.42					
1/28/2004	34	\$ 3,686.43					
1/29/2004	43	\$ 5,940.15					
1/30/2004	28	\$ 4,886.18	671	36	5.4%	91	14%
2/2/2004	28	\$ 5,125.58					
2/3/2004	38	\$ 9,971.42					
2/4/2004	33	\$ 4,868.48					
2/5/2004	18	\$ 2,979.93					
2/6/2004	31	\$ 5,799.72					
2/9/2004	26	\$ 6,417.34					
2/10/2004	24	\$ 4,913.95					
2/11/2004	36	\$ 16,065.03					
2/12/2004	31	\$ 10,369.71					
2/13/2004	25	\$ 4,873.20					
2/17/2004	15	\$ 3,151.08					
2/18/2004	22	\$ 4,491.11					
2/19/2004	28	\$ 4,785.59					
2/20/2004	33	\$ 11,937.61					
2/23/2004	32	\$ 7,786.62					
2/24/2004	39	\$ 8,114.34					
2/25/2004	21	\$ 5,266.73					
2/26/2004	20	\$ 2,826.16					
2/27/2004	30	\$ 4,460.39	530	49	9.2%	83	16%
3/1/2004	38	\$ 9,924.07					
3/2/2004	26	\$ 5,089.44					
3/3/2004	10	\$ 1,962.61					
3/4/2004	27	\$ 5,244.73					
3/5/2004	23	\$ 4,968.10					
3/8/2004	33	\$ 209,937.14					
3/9/2004	23	\$ 4,398.96					
3/10/2004	18	\$ 3,202.53					
3/11/2004	18	\$ 5,719.58					
3/12/2004	22	\$ 3,909.50					
3/15/2004	10	\$ 1,126.17					
3/16/2004	7	\$ 1,702.52					
3/17/2004	19	\$ 3,917.77					
3/18/2004	17	\$ 3,635.32					
3/19/2004	22	\$ 4,723.86					
3/22/2004	15	\$ 22,651.30					

	# Bounced Checks	\$ Amount	Monthly # returned payments	Monthly # ret chks > \$400		Monthly # ret chks < \$400	
3/23/2004	24	\$ 4,715.29					
3/24/2004	12	\$ 1,819.95					
3/25/2004	18	\$ 5,224.97					
3/26/2004	29	\$ 5,143.54					
3/29/2004	27	\$ 4,208.20					
3/30/2004	27	\$ 5,096.40					
3/31/2004	20	\$ 4,089.44	485	44	9.1%	39	8%
4/1/2004	44	\$ 10,651.80					
4/2/2004	15	\$ 2,110.11					
4/5/2004	28	\$ 7,737.70					
4/6/2004	19	\$ 2,242.62					
4/7/2004	17	\$ 3,150.72					
4/8/2004	18	\$ 6,389.58					
4/12/2004	22	\$ 4,553.69					
4/13/2004	30	\$ 5,970.56					
4/14/2004	28	\$ 6,229.10					
4/15/2004	35	\$ 6,666.49					
4/16/2004	16	\$ 2,464.80					
4/19/2004	24	\$ 4,906.70					
4/20/2004	26	\$ 4,278.85					
4/21/2004	23	\$ 4,770.91					
4/22/2004	16	\$ 4,069.93					
4/23/2004	16	\$ 3,198.86					
4/26/2004	17	\$ 4,857.22					
4/27/2004	46	\$ 4,152.43					
4/28/2004	37	\$ 5,028.68					
4/29/2004	24	\$ 3,734.93					
4/30/2004	14	\$ 2,535.89	515	30	5.8%	53	10%
5/3/2004	22	\$ 2,758.78					
5/4/2004	37	\$ 3,587.59					
5/5/2004	18	\$ 2,645.65					
5/6/2004	24	\$ 4,112.63					
5/7/2004	19	\$ 3,355.30					
5/10/2004	17	\$ 5,418.74					
5/11/2004	49	\$ 11,308.95					
5/12/2004	20	\$ 3,567.63					
5/13/2004	15	\$ 2,670.95					
5/14/2004	27	\$ 7,057.84					
5/17/2004	35	\$ 7,451.05					
5/18/2004	7	\$ 937.19					
5/19/2004	29	\$ 3,481.24					
5/20/2004	56	\$ 8,569.27					
5/21/2004	39	\$ 5,797.05					
5/24/2004	33	\$ 9,152.85					
5/25/2004	17	\$ 1,639.21					
5/26/2004	18	\$ 3,205.11					
5/27/2004	25	\$ 3,630.83					

	# Bounced Checks	\$ Amount	Monthly # returned payments	Monthly # ret chks > \$400		Monthly # ret chks < \$400	
5/28/2004	20	\$ 3,634.96	527	47	8.9%	64	12%
Total	5033	\$ 1,335,586.31	5033	481	9.6%	659	13%
Per month:	559	\$ 148,398.48	559	53		73	

2003 Cashier's Transactions - Volume

	King	Ward	Total Ward & King	Per Cashier* Per Yr	Per Cashier Per Day	Minutes per Trans*	
Jan '03	16,301	6,037					
Feb '03	14,763	5,314					
Mar '03	15,034	5,452					
Apr '03	14,958	5,678					
May '03	15,029	5,619					
Jun '03	14,909	5,538					
Jul '03	16,445	6,251					
Aug '03	14,343	5,685					
Sep '03	14,275	6,262					
Oct '03	15,543	5,938					
Nov '03	13,879	5,344					
Dec '03	15,685	6,121					
	181,164	69,239	250,403	55,645.11	222.58	2.16	
				*Based on 4.5 Cashiers	*250 working days per year	*480 minutes/day	

Source: Judy Hirashima, Payment Processing

Witness HECO T-21
Has No Workpapers

Witness HECO T-22
Has No Workpapers

Hawaiian Electric Company, Inc.
Base Case at Current Effective Rates
Results of Operations

2007

(\$ Thousands)

Revenue
Requirements
to Produce
8.92%
Return on
Average
Rate Base

	Current Effective Rates	Additional Amount	
Electric Sales Revenue	1,398,279	98,787	1,497,066
Other Operating Revenue	3,440	769	4,209
Gain on Sale of Land	507		507
TOTAL OPERATING REVENUES	1,402,226	99,556	1,501,782
Fuel	542,961		542,961
Purchased Power	386,108		386,108
Production	68,222		68,222
Transmission	10,491		10,491
Distribution	24,722		24,722
Customer Accounts	12,020		12,020
Allowance for Uncoll. Accounts	1,411	100	1,511
Customer Service	7,176		7,176
Administration & General	72,007		72,007
Gen Excise Tax Rate Incr Adj	320		320
Operation and Maintenance	1,125,438	100	1,125,538
Depreciation & Amortization	79,736		79,736
Amortization of State ITC	(1,321)		(1,321)
Taxes Other Than Income	130,761	8,817	139,578
Interest on Customer Deposits	375		375
Income Taxes	14,292	35,267	49,559
TOTAL OPERATING EXPENSES	1,349,281	44,184	1,393,465
OPERATING INCOME	52,945	55,372	108,317
AVERAGE RATE BASE	1,215,544	(1,232)	1,214,312
RATE OF RETURN ON AVERAGE RATE BASE	4.36%		8.92%

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
COMPOSITE EMBEDDED COST OF CAPITAL
Estimated 2007 Average

	A	B	C	D
	<u>Capitalization</u>			
	Amount in Thousands	Percent of Total	Earnings Reqmts	Weighted Earnings Reqmts (B) x (C)
Short-Term Debt	38,971	3.08	5.00%	0.154%
Long-Term Debt	480,727	38.01	6.09%	2.314%
Hybrid Securities	27,556	2.18	7.47%	0.163%
Preferred Stock	20,586	1.63	5.51%	0.090%
Common Equity	696,826	55.10	11.25%	6.199%
Total	1,264,666	100.00		
Estimated Composite Cost of Capital				8.920%
			or	<u>8.92%</u>

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
2007 AVERAGE RATE BASE
(\$ Thousands)

	Beginning Balance	End of Year Balance	Average Balance
<u>Investments in Assets Serving Customers</u>			
Net Cost of Plant in Service	1,351,748	1,382,432	1,367,090
Property Held for Future Use	3,380	3,380	3,380
Fuel Inventory	52,706	52,706	52,706
Materials & Supplies Inventories	12,838	12,838	12,838
Unamort. Net SFAS 109 Reg. Asset	53,207	56,049	54,628
Pension Regulatory Asset	157,466	164,909	161,188
Unamort OPEB Reg Asset - FAS 106	7,811	6,509	7,160
OPEB Reg Asset- FAS 158	30,077	30,473	30,275
Unamort Sys Dev Costs	0	6,018	3,009
Unamort DSG Reg Asset	0	645	323
Total Investments in Assets	1,669,233	1,715,959	1,692,597
<u>Funds From Non-Investors</u>			
Unamortized CIAC	166,612	168,486	167,549
Customer Advances	968	676	822
Customer Deposits	6,155	6,598	6,377
Accumulated Def. Income Taxes	158,171	151,990	155,081
Unamortized ITC & PV Tax Credit	28,984	30,875	29,930
Unamortized Gain on Sale	1,582	1,207	1,395
Pension Liability	89,206	114,678	101,942
OPEB Liability	37,888	36,982	37,435
Total Deductions	489,566	511,492	500,531
Difference			1,192,066
Working Cash at Current Effective Rates			23,478
Rate Base at Current Effective Rates			1,215,544
Change in Rate Base - Working Cash			(1,232)
Rate Base at Proposed Rates			1,214,312

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates

WORKING CASH ITEMS

2007

(\$ Thousands)

	A	B	C	D
	COLLECTION	PAYMENT	NET	
	LAG	LAG	COLLECTION	ANNUAL
	(DAYS)	(DAYS)	LAG	AMOUNT
			(DAYS)	
			(A - B)	
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	37	17	20	536,833
O&M Labor	37	11	26	89,425
Purchased Power	37	39	(2)	386,108
ITEMS THAT PROVIDE WORKING CASH				
O&M Nonlabor	37	27	10	118,090
Revenue Taxes	37	76	(39)	124,331
Income Taxes-Curr Eff Rates	37	40	(3)	17,261
Income Taxes-Proposed Rates	37	40	(3)	52,528
	E	F	G	H
	AVERAGE	WORKING	AVERAGE	WORKING
	DAILY	CASH	DAILY	CASH
	AMOUNT	(CURR EFF	AMOUNT	(PROPOSED
	(D/365)	RATES)	(PROPOSED)	RATES)
		(C X E)		(C X G)
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	1,471	29,416	1,471	29,416
O&M Labor	245	6,370	245	6,370
Purchased Power	1,058	(2,116)	1,058	(2,116)
ITEMS THAT PROVIDE WORKING CASH				
O&M Nonlabor	324	3,235	324	3,235
Revenue Taxes	341	(13,285)	365	(14,227)
Income Taxes-Curr Eff Rates	47	(142)		
Income Taxes-Proposed Rates	144	-	144	(432)
Total		23,478		22,246
Change in Working Cash				(1,232)

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
COMPUTATION OF INCOME TAX EXPENSE
2007
(\$ Thousands)

	Current Effective Rates	Adjustment	At Proposed Rates
Operating Revenues	1,402,226	99,556	1,501,782
Operating Expenses:			
Fuel Oil and Purchased Power	929,069		929,069
Other Operation & Maintenance Expense	196,369	100	196,469
Depreciation	79,736		79,736
Amortization of State ITC	(1,321)		(1,321)
Taxes Other than Income	130,761	8,817	139,578
Interest on Customer Deposits	375		375
Total Operating Expenses	1,334,989	8,917	1,343,906
Operating Income Before Income Taxes	67,237	90,639	157,876
Tax Adjustments:			
Interest Expense	(30,587)		(30,587)
Meals and Entertainment	81		81
	(30,506)	0	(30,506)
Taxable Income at Ordinary Rates	36,731	90,639	127,370
Income Tax Exp at Ordinary Rates	14,292	35,267	49,559
TOTAL INCOME TAX EXPENSE	14,292	35,267	49,559

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
COMPUTATION OF TAXES OTHER THAN INCOME TAX
2007
(\$ Thousands)

	Rate	At Curr Eff Rates	Adjustment	At Proposed Rates
Electric Sales Revenue		1,398,279	98,787	1,497,066
Other Operating Revenue		3,440	769	4,209
Operating Revenues		1,401,719	99,556	1,501,275
Public Service Tax	5.885%	82,408	5,853	88,261
PUC Fees	0.500%	7,002	497	7,499
Franchise Tax	2.500%	34,922	2,467	37,389
Payroll Tax		6,429		6,429
TOTAL TAXES OTHER THAN INCOME TAX		130,761	8,817	139,578

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
CALCULATIONS OF REVENUE REQUIREMENTS
2007
(\$ Thousands)

OPERATING INCOME AT CURRENT EFFECTIVE RATES:

Operating Revenues	1,402,226
Fuel and Purchased Power Expenses	929,069
Other O&M Expenses	196,369
Depreciation & Amortization Expense	79,736
Amortization of State ITC	(1,321)
Taxes Other than Income	130,761
Interest on Customer Deposits	375
Income Taxes	14,292
Total Operating Expenses	1,349,281
OPERATING INCOME AT CURRENT EFFECTIVE RATES	52,945

CALCULATIONS OF REVENUE REQUIREMENTS:

OPERATING INCOME

Rate Base at Proposed Rates	1,214,312
Proposed Rate of Return on Rate Base	x 8.92%
Operating Income	108,317
Less: Operating Income at Curr Eff Rates	52,945
INCREASE IN OPERATING INCOME	55,372

OPERATING REVENUES:

Increase in Operating Income	55,372
Operating Income Divisor (divided by)	0.55619
INCREASE IN OPERATING REVENUES	99,556
Increase in Electric Sales Revenue	98,787
Other Operating Revenue Rate	x 0.778%
Increase in Other Operating Revenues	769
	99,556

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
CALCULATIONS OF REVENUE REQUIREMENTS
2007
(\$ Thousands)

BAD DEBT:

Increase in Electric Revenues		98,787
Bad Debt Rate	x	0.0010
INCREASE IN BAD DEBT EXPENSE		<u>100</u>

REVENUE TAX:

Increase in Operating Revenues		99,556
Less: Increase in Bad Debt Expense		<u>(100)</u>
		99,456
PSC Tax & PUC Fees Rate	x	<u>6.385%</u>
		6,350
Increase in Electric Revenues		98,787
Less: Increase in Bad Debt Expense		<u>(100)</u>
		98,687
Franchise Tax Rate	x	<u>2.500%</u>
		2,467
INCREASE IN REVENUE TAX		<u>8,817</u>

INCOME TAX:

Increase in Operating Revenues		99,556
Effective Income Tax Rate after considering revenue tax & bad debt	x	<u>35.425%</u>
INCREASE IN INCOME TAX		<u>35,267</u>
INCREASE IN OPERATING INCOME (check)		<u>55,372</u>

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
CALCULATIONS OF REVENUE REQUIREMENTS
2007
(\$ Thousands)

CHANGE IN RATE BASE:

	A	B	C	D
	EXPENSE	AVERAGE	NET	WORKING
	AMOUNT	DAILY	COLLECTION	CASH
		AMOUNT	LAG (DAYS)	REQMT
		(A/365)		(B)x(C)
Increase in Revenue Tax	8,817	24	(39)	(942)
Income Tax at Curr Eff rate	17,261	47	(3)	142
Income Tax at proposed rate	52,528	144	(3)	(432)
CHANGE IN RATE BASE - WORKING CASH				(1,232)
Rate Base at Current Effective Rates				1,215,544
PROPOSED RATE BASE				1,214,312
Operating Income at Current Effective Rates				52,945
Increase in Operating Income				55,372
OPERATING INCOME AT PROPOSED RATES				108,317
PROPOSED RATE OF RETURN ON RATE BASE (check)				8.92%

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
SUPPORT WORKSHEET
2007

OPERATING REVENUES:

Electric Sales Revenues	1,398,279
Other Operating Revenues	3,440
Gain on Sale of Land	507

TOTAL OPERATING REVENUES	<u>1,402,226</u>
--------------------------	------------------

FUEL OIL AND PURCHASE POWER EXPENSES:

Fuel Oil Expense	536,833
Fuel Related Non-labor Exp	5,596
Fuel Handling Labor Expense	532

Fuel Oil Expense	<u>542,961</u>
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Purchased Power Expense	<u>386,108</u>
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TOTAL FUEL OIL AND PURCHASE POWER EXPENSES	<u>929,069</u>
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OTHER OPERATION & MAINTENANCE EXPENSES:

Production	68,222
Transmission	10,491
Distribution	24,722
Customer Account	12,020
Allowance for Uncollectible Accounts	1,411
Customer Service	7,176
Administration & General	72,007
Gen Excise Tax Rate Incr Adj	320

TOTAL OTHER OPERATION & MAINTENANCE EXPENSES	<u>196,369</u>
----------------------------------------------	----------------

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
SUPPORT WORKSHEET
2007

TOTAL FUEL OIL & PP AND OTH O&M EXPENSES (LABOR/NONLABOR)	
Fuel Oil Expense	536,833
Purchase Power Expense	386,108
Total Labor Expense	
Labor Expense	89,425
Total Labor Expense	89,425
Total Nonlabor Expense	
Nonlabor Expense	107,476
Fuel Related Expense	5,596
Payroll Taxes	6,429
Bad Debt Expense	(1,411)
	118,090
TOTAL FUEL OIL & PP, OTH O&M AND PR TAX EXPENSES	1,130,456
REVENUE TAX	
Public Service Tax	
Electric Sales Revenues	1,398,279
Other Operating Revenues	3,440
Less: Bad Debt Expense	(1,411)
Operating Revenues subject to PSC Tax	1,400,308
Public Service Tax Rate	x 5.885%
Total PSC Tax	82,408
PUC Fees	
Electric Sales Revenues	1,398,279
Other Operating Revenues	3,440
Less: Bad Debt Expense	(1,411)
Operating Revenues subject to PSC Tax	1,400,308
PUC Tax Rate	x 0.500%
Total PUC Tax	7,002

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
SUPPORT WORKSHEET
2007

Franchise Tax	
Electric Sales Revenues	1,398,279
Less: Bad Debt Expense	(1,411)
	<u>1,396,868</u>
Franchise Tax Rate	x 2.500%
Total Franchise Tax	<u>34,922</u>
TOTAL REVENUE TAX	<u>124,331</u>
INTEREST EXPENSE:	
Interest Charged to Operations	33,275
AFUDC Debt	(2,688)
TOTAL INTEREST EXPENSE	<u>30,587</u>
INCOME TAX EXPENSE SUMMARY	
Current	17,261
Deferred	(6,181)
State ITC & PV Tax Credit	<u>3,212</u>
TOTAL INCOME TAX EXPENSE	<u>14,292</u>
CALCULATIONS OF REVENUE TAX RATE:	
Franchise Tax Rate adjusted for Change in Oth Oper	
Revenues and Bad Debt	0.02478
PSC Tax Rate adjusted for Bad Debt	0.05879
PUC Tax Rate adjusted for Bad Debt	<u>0.00499</u>
REVENUE TAX RATE	<u>0.08857</u>
CALCULATIONS OF COMPOSITE INCOME TAX RATE:	
State Tax Rate	0.06015
Federal Tax Rate	0.35000
State Tax Rate	0.06015
Federal Tax Rate	x 0.35000
Federal Tax Effect on State Tax	<u>(0.02105)</u>
COMPOSITE INCOME TAX RATE	<u>0.38910</u>

Hawaiian Electric Company, Inc.

Base Case at Current Effective Rates
SUPPORT WORKSHEET
2007

CALCULATIONS OF COMPOSITE CAPITAL GAINS TAX RATE:

State Capital Gains Tax Rate		0.03759
Federal Tax Rate		0.35000
State Capital Gains Tax Rate		0.03759
Federal Tax Rate	x	0.35000
Federal Tax Effect on State Capital Gains Tax Rate		(0.01316)
COMPOSITE CAPITAL GAINS TAX RATE		<u>0.37444</u>

CALCULATIONS OF EFFECTIVE INCOME TAX RATE:

PSC Tax & PUC Fees Rates adjusted for Bad Debt		0.06379
Franchise Tax adjusted for Change in Oth Oper Rev and Bad Debt		0.02478
Bad Debt Rate adjusted for Change in Oth Oper Rev		0.00100
Revenue Tax and Bad Debt rate		<u>0.08957</u>
Rev Tax & Bad Debt Reciprocal	(1 - 0.08957)	0.91043
Composite Income Tax Rate	x	<u>0.38910</u>
EFFECTIVE INCOME TAX RATE AFTER CONSIDERING REVENUE TAX & BAD DEBT		<u>0.35425</u>

CALCULATIONS OF OPERATING INCOME DIVISOR:

PSC Tax & PUC Fees Rates		0.06379
Franchise Tax adjusted for Change in Oth Oper Rev		0.02478
Bad Debt Rate adjusted for Change in Oth Oper Rev		0.00100
Effective Income Tax Rate after considering revenue tax & bad debt		<u>0.35425</u>
		<u>0.44381</u>
OPERATING INCOME DIVISOR	(1 - 0.44381)	<u>0.55619</u>

Hawaiian Electric Company, Inc.
Base Case
Results of Operations
2007
(\$ Thousands)

	Present Rates	Additional Amount	Revenue Requirements to Produce 8.92% Return on Average Rate Base
Electric Sales Revenue	1,346,379	150,687	1,497,066
Other Operating Revenue	3,391	818	4,209
Gain on Sale of Land	507		507
TOTAL OPERATING REVENUES	1,350,277	151,505	1,501,782
Fuel	542,961		542,961
Purchased Power	386,108		386,108
Production	68,222		68,222
Transmission	10,491		10,491
Distribution	24,722		24,722
Customer Accounts	12,020		12,020
Allowance for Uncoll. Accounts	1,358	152	1,510
Customer Service	7,176		7,176
Administration & General	72,007		72,007
Gen Excise Tax Rate Incr Adj	320		320
Operation and Maintenance	1,125,385	152	1,125,537
Depreciation & Amortization	79,736		79,736
Amortization of State ITC	(1,321)		(1,321)
Taxes Other Than Income	126,151	13,427	139,578
Interest on Customer Deposits	375		375
Income Taxes	(4,107)	53,667	49,560
TOTAL OPERATING EXPENSES	1,326,219	67,246	1,393,465
OPERATING INCOME	24,058	84,259	108,317
AVERAGE RATE BASE	1,216,188	(1,876)	1,214,312
RATE OF RETURN ON AVERAGE RATE BASE	1.98%		8.92%

Hawaiian Electric Company, Inc.

Base Case
COMPOSITE EMBEDDED COST OF CAPITAL
Estimated 2007 Average

	A	B	C	D
	<u>Capitalization</u>			
	<u>Amount in Thousands</u>	<u>Percent of Total</u>	<u>Earnings Reqmts</u>	<u>Weighted Earnings Reqmts (B) x (C)</u>
Short-Term Debt	38,971	3.08	5.00%	0.154%
Long-Term Debt	480,727	38.01	6.09%	2.314%
Hybrid Securities	27,556	2.18	7.47%	0.163%
Preferred Stock	20,586	1.63	5.51%	0.090%
Common Equity	<u>696,826</u>	<u>55.10</u>	<u>11.25%</u>	<u>6.199%</u>
Total	1,264,666	100.00		

Estimated Composite Cost of Capital 8.920%

or 8.92%

Base Case
2007 AVERAGE RATE BASE
(\$ Thousands)

	Beginning Balance	End of Year Balance	Average Balance
<u>Investments in Assets Serving Customers</u>			
Net Cost of Plant in Service	1,351,748	1,382,432	1,367,090
Property Held for Future Use	3,380	3,380	3,380
Fuel Inventory	52,706	52,706	52,706
Materials & Supplies Inventories	12,838	12,838	12,838
Unamort. Net SFAS 109 Reg. Asset	53,207	56,049	54,628
Prepaid Pension Asset	157,466	164,909	161,188
Unamort OPEB Reg Asset - FAS 106	7,811	6,509	7,160
OPEB Reg Asset- FAS 158	30,077	30,473	30,275
Unamort Sys Dev Costs	0	6,018	3,009
Unamort DSG Reg Asset	0	645	323
Total Investments in Assets	1,669,233	1,715,959	1,692,597
<u>Funds From Non-Investors</u>			
Unamortized CIAC	166,612	168,486	167,549
Customer Advances	968	676	822
Customer Deposits	6,155	6,598	6,377
Accumulated Def. Income Taxes	158,171	151,990	155,081
Unamortized ITC & PV Tax Credit	28,984	30,875	29,930
Unamortized Gain on Sale	1,582	1,207	1,395
Pension Liability	89,206	114,678	101,942
OPEB Liability	37,888	36,982	37,435
Total Deductions	489,566	511,492	500,531
Difference			1,192,066
Working Cash at Present Rates			24,122
Rate Base at Present Rates			1,216,188
Change in Rate Base - Working Cash			(1,876)
Rate Base at Proposed Rates			1,214,312

Hawaiian Electric Company, Inc.

Base Case
WORKING CASH ITEMS
2007
(\$ Thousands)

	A	B	C	D
	COLLECTION	PAYMENT	NET	
	LAG	LAG	COLLECTION	ANNUAL
	(DAYS)	(DAYS)	LAG	AMOUNT
			(DAYS)	
			(A - B)	
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	37	17	20	536,833
O&M Labor	37	11	26	89,425
Purchased Power	37	39	(2)	386,108
ITEMS THAT PROVIDE WORKING CASH				
O&M Nonlabor	37	27	10	118,090
Revenue Taxes	37	76	(39)	119,722
Income Taxes-Present Rates	37	40	(3)	(1,138)
Income Taxes-Proposed Rates	37	40	(3)	52,529
	E	F	G	H
	AVERAGE	WORKING	AVERAGE	WORKING
	DAILY	CASH	DAILY	CASH
	AMOUNT	(PRESENT	AMOUNT	(PROPOSED
	(D/365)	RATES)	(PROPOSED)	RATES)
		(C X E)		(C X G)
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	1,471	29,416	1,471	29,416
O&M Labor	245	6,370	245	6,370
Purchased Power	1,058	(2,116)	1,058	(2,116)
ITEMS THAT PROVIDE WORKING CASH				
O&M Nonlabor	324	3,235	324	3,235
Revenue Taxes	328	(12,792)	365	(14,227)
Income Taxes-Present Rates	(3)	9		
Income Taxes-Proposed Rates	144	-	144	(432)
Total		24,122		22,246
Change in Working Cash				(1,876)

Hawaiian Electric Company, Inc.

Base Case
COMPUTATION OF INCOME TAX EXPENSE
2007
(\$ Thousands)

	Present Rates	Adjustment	At Proposed Rates
Operating Revenues	1,350,277	151,505	1,501,782
Operating Expenses:			
Fuel Oil and Purchased Power	929,069		929,069
Other Operation & Maintenance Expense	196,316	152	196,468
Depreciation	79,736		79,736
Amortization of State ITC	(1,321)		(1,321)
Taxes Other than Income	126,151	13,427	139,578
Interest on Customer Deposits	375		375
Total Operating Expenses	1,330,326	13,579	1,343,905
Operating Income Before Income Taxes	19,951	137,926	157,877
Tax Adjustments:			
Interest Expense	(30,587)		(30,587)
Meals and Entertainment	81		81
	(30,506)	0	(30,506)
Taxable Income at Ordinary Rates	(10,555)	137,926	127,371
Income Tax Exp at Ordinary Rates	(4,107)	53,667	49,560
TOTAL INCOME TAX EXPENSE	(4,107)	53,667	49,560

Hawaiian Electric Company, Inc.

Base Case
COMPUTATION OF TAXES OTHER THAN INCOME TAX
2007
(\$ Thousands)

	Rate	At Present Rates	Adjustment	At Proposed Rates
Electric Sales Revenue		1,346,379	150,687	1,497,066
Other Operating Revenue		3,391	818	4,209
Operating Revenues		1,349,770	151,505	1,501,275
Public Service Tax	5.885%	79,354	8,907	88,261
PUC Fees	0.500%	6,742	757	7,499
Franchise Tax	2.500%	33,626	3,763	37,389
Payroll Tax		6,429		6,429
TOTAL TAXES OTHER THAN INCOME TAX		126,151	13,427	139,578

Hawaiian Electric Company, Inc.

Base Case
CALCULATIONS OF REVENUE REQUIREMENTS
2007
(\$ Thousands)

OPERATING INCOME AT PRESENT RATES:

Operating Revenues	1,350,277
Fuel and Purchased Power Expenses	929,069
Other O&M Expenses	196,316
Depreciation & Amortization Expense	79,736
Amortization of State ITC	(1,321)
Taxes Other than Income	126,151
Interest on Customer Deposits	375
Income Taxes	(4,107)
Total Operating Expenses	1,326,219
OPERATING INCOME AT PRESENT RATES	24,058

CALCULATIONS OF REVENUE REQUIREMENTS:

OPERATING INCOME

Rate Base at Proposed Rates	1,214,312
Proposed Rate of Return on Rate Base	x 8.92%
Operating Income	108,317
Less: Operating Income at Present Rates	24,058
INCREASE IN OPERATING INCOME	84,259

OPERATING REVENUES:

Increase in Operating Income	84,259
Operating Income Divisor (divided by)	0.55615
INCREASE IN OPERATING REVENUES	151,505
Increase in Electric Sales Revenue	150,687
Other Operating Revenue Rate	x 0.543%
Increase in Other Operating Revenues	818
	151,505

Hawaiian Electric Company, Inc.

Base Case
CALCULATIONS OF REVENUE REQUIREMENTS
2007
(\$ Thousands)

BAD DEBT:

Increase in Electric Revenues		150,687
Bad Debt Rate	x	0.0010
INCREASE IN BAD DEBT EXPENSE		<u>152</u>

REVENUE TAX:

Increase in Operating Revenues		151,505
Less: Increase in Bad Debt Expense		(152)
		<u>151,353</u>
PSC Tax & PUC Fees Rate	x	6.385%
		<u>9,664</u>
Increase in Electric Revenues		150,687
Less: Increase in Bad Debt Expense		(152)
		<u>150,535</u>
Franchise Tax Rate	x	2.500%
		<u>3,763</u>
INCREASE IN REVENUE TAX		<u>13,427</u>

INCOME TAX:

Increase in Operating Revenues		151,505
Effective Income Tax Rate after considering revenue tax & bad debt	x	35.422%
INCREASE IN INCOME TAX		<u>53,667</u>
INCREASE IN OPERATING INCOME (check)		<u>84,259</u>

Hawaiian Electric Company, Inc.

Base Case
CALCULATIONS OF REVENUE REQUIREMENTS
2007
(\$ Thousands)

CHANGE IN RATE BASE:

	A	B	C	D
	EXPENSE	AVERAGE	NET	WORKING
	AMOUNT	DAILY	COLLECTION	CASH
		AMOUNT	LAG (DAYS)	REQMT
		(A/365)		(B) x (C)
Increase in Revenue Tax	13,427	37	(39)	(1,435)
Income Tax at present rates	(1,138)	(3)	(3)	(9)
Income Tax at proposed rate	52,529	144	(3)	(432)
CHANGE IN RATE BASE - WORKING CASH				(1,876)
Rate Base at Present Rates				1,216,188
PROPOSED RATE BASE				1,214,312
Operating Income at Present Rates				24,058
Increase in Operating Income				84,259
OPERATING INCOME AT PROPOSED RATES				108,317
PROPOSED RATE OF RETURN ON RATE BASE (check)				8.92%

Hawaiian Electric Company, Inc.

Base Case
SUPPORT WORKSHEET
2007

OPERATING REVENUES:

Electric Sales Revenues	1,346,379
Other Operating Revenues	3,391
Gain on Sale of Land	507

TOTAL OPERATING REVENUES	<u>1,350,277</u>
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FUEL OIL AND PURCHASE POWER EXPENSES:

Fuel Oil Expense	536,833
Fuel Related Non-labor Exp	5,596
Fuel Handling Labor Expense	532

Fuel Oil Expense	<u>542,961</u>
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Purchased Power Expense	<u>386,108</u>
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TOTAL FUEL OIL AND PURCHASE POWER EXPENSES	<u>929,069</u>
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OTHER OPERATION & MAINTENANCE EXPENSES:

Production	68,222
Transmission	10,491
Distribution	24,722
Customer Account	12,020
Allowance for Uncollectible Accounts	1,358
Customer Service	7,176
Administration & General	72,007
Gen Excise Tax Rate Incr Adj	320

TOTAL OTHER OPERATION & MAINTENANCE EXPENSES	<u>196,316</u>
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Hawaiian Electric Company, Inc.

Base Case
SUPPORT WORKSHEET
2007

TOTAL FUEL OIL & PP AND OTH O&M EXPENSES (LABOR/NONLABOR)	
Fuel Oil Expense	536,833
Purchase Power Expense	386,108
Total Labor Expense	
Labor Expense	89,425
Total Labor Expense	89,425
Total Nonlabor Expense	
Nonlabor Expense	107,423
Fuel Related Expense	5,596
Payroll Taxes	6,429
Bad Debt Expense	(1,358)
	118,090
TOTAL FUEL OIL & PP, OTH O&M AND PR TAX EXPENSES	1,130,456
REVENUE TAX	
Public Service Tax	
Electric Sales Revenues	1,346,379
Other Operating Revenues	3,391
Less: Bad Debt Expense	(1,358)
Operating Revenues subject to PSC Tax	1,348,412
Public Service Tax Rate	x 5.885%
Total PSC Tax	79,354
PUC Fees	
Electric Sales Revenues	1,346,379
Other Operating Revenues	3,391
Less: Bad Debt Expense	(1,358)
Operating Revenues subject to PSC Tax	1,348,412
PUC Tax Rate	x 0.500%
Total PUC Tax	6,742

Hawaiian Electric Company, Inc.

Base Case
SUPPORT WORKSHEET
2007

Franchise Tax	
Electric Sales Revenues	1,346,379
Less: Bad Debt Expense	(1,358)
	<u>1,345,021</u>
Franchise Tax Rate	x 2.500%
Total Franchise Tax	<u>33,626</u>
TOTAL REVENUE TAX	<u>119,722</u>
INTEREST EXPENSE:	
Interest Charged to Operations	33,275
AFUDC Debt	(2,688)
	<u>30,587</u>
TOTAL INTEREST EXPENSE	<u>30,587</u>
INCOME TAX EXPENSE SUMMARY	
Current	(1,138)
Deferred	(6,181)
State ITC & PV Tax Credit	3,212
	<u>(4,107)</u>
TOTAL INCOME TAX EXPENSE	<u>(4,107)</u>
CALCULATIONS OF REVENUE TAX RATE:	
Franchise Tax Rate adjusted for Change in Oth Oper	
Revenues and Bad Debt	0.02484
PSC Tax Rate adjusted for Bad Debt	0.05879
PUC Tax Rate adjusted for Bad Debt	0.00499
	<u>0.08862</u>
REVENUE TAX RATE	<u>0.08862</u>
CALCULATIONS OF COMPOSITE INCOME TAX RATE:	
State Tax Rate	0.06015
Federal Tax Rate	0.35000
State Tax Rate	0.06015
Federal Tax Rate	x 0.35000
	<u>(0.02105)</u>
Federal Tax Effect on State Tax	<u>(0.02105)</u>
COMPOSITE INCOME TAX RATE	<u>0.38910</u>

Hawaiian Electric Company, Inc.

Base Case
SUPPORT WORKSHEET
2007

CALCULATIONS OF COMPOSITE CAPITAL GAINS TAX RATE:

State Capital Gains Tax Rate	0.03759
Federal Tax Rate	0.35000

State Capital Gains Tax Rate	0.03759
Federal Tax Rate	0.35000
	x

Federal Tax Effect on State Capital Gains Tax Rate	(0.01316)
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COMPOSITE CAPITAL GAINS TAX RATE	0.37444
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CALCULATIONS OF EFFECTIVE INCOME TAX RATE:

PSC Tax & PUC Fees Rates adjusted for Bad Debt	0.06379
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Franchise Tax adjusted for Change in Oth Oper Rev and Bad Debt	0.02484
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Bad Debt Rate adjusted for Change in Oth Oper Rev	0.00100
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Revenue Tax and Bad Debt rate	0.08963
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Rev Tax & Bad Debt Reciprocal	(1 - 0.08963)
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Composite Income Tax Rate	0.91037
	x

EFFECTIVE INCOME TAX RATE AFTER CONSIDERING REVENUE TAX & BAD DEBT	0.38910
	0.35422

CALCULATIONS OF OPERATING INCOME DIVISOR:

PSC Tax & PUC Fees Rates	0.06379
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Franchise Tax adjusted for Change in Oth Oper Rev	0.02484
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Bad Debt Rate adjusted for Change in Oth Oper Rev	0.00100
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Effective Income Tax Rate after considering revenue tax & bad debt	0.35422
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0.44385

OPERATING INCOME DIVISOR	(1 - 0.44385)
	0.55615